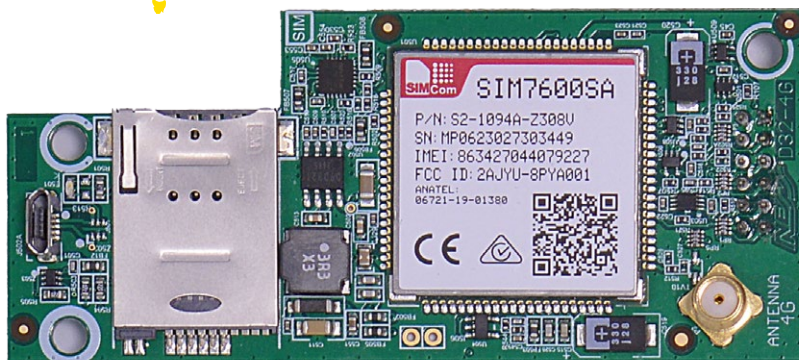




4G⁺ Comms Module



SIM information, page 3



CORPORATION

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DPLUS 4G COMMS MODULE MANUAL

Document Part No: 890-511-COM Rev 1.00 October 2024

For use with

106-985 DPlus-4G Module inc SIM

Related manuals:

890-511 DPlus Installer Manual

890-511-LCD DPlus LCD Keypad User Manual

890-511-NAV DPlus Navigator Keypad User Manual

WARNINGS & NOTICES

Ness Corporation manufacturing processes are accredited to ISO9001 quality standards and all possible care and diligence has been applied during manufacture to ensure the reliable operation of this product. However there are various external factors that may impede or restrict the operation of this product in accordance with the product's specification.

These factors include, but are not limited to:

1. Erratic or reduced radio range (if radio accessories are installed). Ness radio products are sophisticated low power devices, however the presence of in-band radio signals, high power transmissions or interference caused by electrical appliances such as Mains Inverters, Wireless Routers, Cordless Phones, Computers, TVs and other electronic devices may reduce radio range performance. While such occurrences are unusual, they are possible. In this case it may be necessary to either increase the physical separation between the Ness receiver and other devices or if possible change the radio frequency or channel of the other devices.
2. Unauthorised tampering, physical damage, electrical interruptions such as mains failure, electrical spikes or lightning.
3. Solar power inverters are a known source of electrical interference. Please ensure that this product and all associated cabling is installed at least 3 metres away from a solar power inverter and its cabling.
4. While SMS reporting is a powerful and useful feature it is dependent on the integrity and availability of the cellular network. As with any SMS message it is possible that SMS monitoring reports may be delayed or fail to be delivered. Such failures are a function of the cellular network/s and beyond the control of Ness Corporation. Ness recommends central station monitoring using an IP protocol as your primary monitoring path.*

* Requires the optional 106-985 4G Comms module which provides central station monitoring via ArmorIP and CSV IP protocols or self-monitoring via SMS messaging.

WARNING: Installation and maintenance to be performed only by qualified service personnel.


CAUTION: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries in accordance with local regulations.

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Ness reserves the right to make changes to features and specifications at any time without prior notification in the interest of ongoing product development and improvement.

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<i>All DPlus program options are provided for reference (panel and comms options)</i>	




NESS SIM ACTIVATION

IF YOUR PRODUCT WAS SUPPLIED WITH A NESS SIM please activate the SIM to enjoy the advantages of remote access and monitoring via the cellular network.*

Ness SIM benefits:

- Easy online activation & simple billing
- Competitive Retail & Trade SIM plans
- No lock-in contracts - opt out anytime
- Trade customers can take advantage of seamless billing on their Ness Trade Account, while retail customers enjoy the ease of monthly billing via PayPal, Credit Card or Direct Debit.



To activate the SIM scan the QR code
or go to **activate.ness.com.au**

SIM enquiries, email to: simactivation@ness.com.au

* Monthly network access charges apply once activated.
Access charges do not include central station monitoring which is a separate service.

INSTALLING THE COMMS MODULE

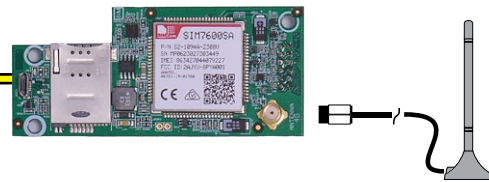
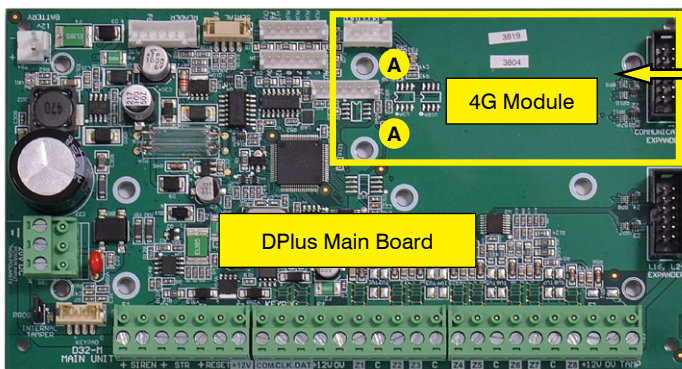
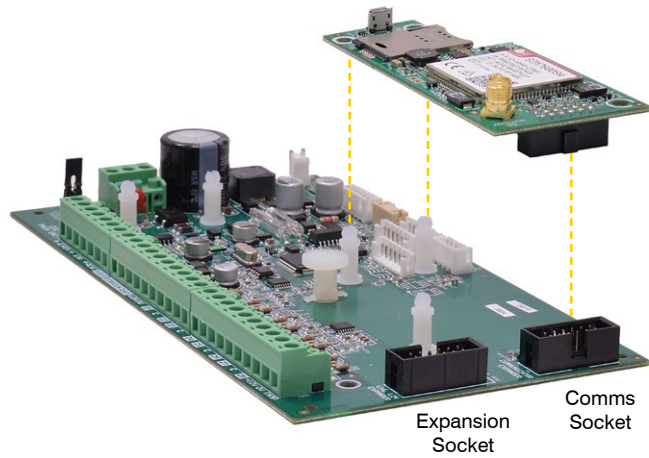
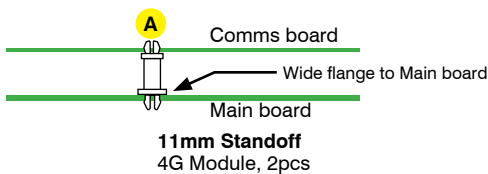
The main board must be powered down when connecting or disconnecting plug-in modules.

Insert two A-Type standoffs in the DPlus main board in the positions shown below.

Fit the comms module onto the standoffs and the multi-pin socket. Ensure that the module's connector is fully seated in the socket.

The white rimmed holes on the main board are provided for expander board supports.

First Install the supports on the main board then fit the expander.



4G ANTENNA
Supplied with the comms module. Install the antenna in a location providing the best signal strength as indicated by the keypad signal strength display. The antenna should not be installed inside the control panel housing.

INSTALLER'S DIAGNOSTICS

IP REPORTING PROGRESS is shown on the signal strength indicator on the keypad, with values from 90 to 96

90	Network Initiating
91	Network Opening
92	Port Opening
93	UDP Connection
94	Reporting
95	Acknowledge Response
96	Closes a Port on the Network and closes the Network

OPERATION BY SMS



SMS COMMANDS

COMMAND	OPERATION
A	ARM
H	HOME
X	EXCLUDE
P	PROGRAM ¹
E	ENTER
F	FIRE
D	MEDICAL
S	PANIC
C	OPERATE AUX OUTPUTS
T	TEXT ²

¹ See page 6 for detail

² See page 10-11 for detail

SMS RESPONSES

SMS IS RECEIVED FROM A KNOWN PHONE NUMBER (one of the phone numbers programmed at P180E~P189E)

- a) The panel will respond to any SMS command from a known phone number.
- b) A correctly formatted command will be actioned and replied with ACK (Acknowledged).
- c) If you send an incorrectly formatted SMS or the wrong user code the panel responds with NAK (Not ACK).

SMS IS RECEIVED FROM AN UNKNOWN PHONE NUMBER

- a) If the user code is valid the panel will action the command and reply.
- b) If the user code is not valid the panel will ignore the command and reply with the message "The SMS just received is wrong. No further responses until correct SMS received"
- c) The panel ignores further attempts to operate it with an invalid user code.
- d) Once a correct command with a valid user code is received the panel will action and reply.
- e) If the valid user code is not the master user code, but the command requires the master code then the reply is "wrong message"

SUMMARY OF SMS COMMANDS

The following examples use the default Master Code of 123 as an example. Substitute your own valid user code/s in operation.

OPERATION	SMS TO THE PANEL	SMS REPLY
ARM	A123E	A123E ACK arming status: AREA 1 ARMED IN EXIT DELAY zones unsealed: NONE zones in alarm: NONE zones excluded: NONE outputs status: ALL OFF Any unsealed zones, zones in alarm and excluded zones will listed as ZONE [x] or by name if named.
DISARM	123E	123E ACK arming status: DISARMED [plus zones and outputs status as per arming response above]
HOME mode	H123E	H123E ACK arming status: HOME ARMED IN EXIT DELAY [plus zones and outputs status as per arming response above]
EXCLUDE zones (Example zones 4 & 5)	X123E4E5E	X123E ACK 4E ACK 5E ACK E ACK zones excluded: ZONE 4 ZONE 5
FIRE alarm ¹ (Triggers the Fire Alarm, if enabled)	F123E	F123E ACK
MEDICAL alarm ² (Triggers the Medical Alarm, if enabled)	D123E	D123E ACK
PANIC alarm ³ (Triggers the Panic Alarm, if enabled)	S123E	S123E ACK
Operate AUX outputs, eg Aux1 (Aux2 is 22, Aux3 is 33 etc) To enable AUX1 for remote operation see P141E 4E in the separate DPLUS INSTALLER Manual.	C123E11ON	11* ACK auxiliary outputs on: AUX1
	C123E11OFF	11# ACK auxiliary outputs on: ALL OFF [or the Aux number/s if any are on]

¹ The FIRE alarm sounds the siren using the FIRE siren sound and sends a fire report if programmed.

² The MEDICAL alarm triggers the strobe light if programmed and sends a medical report if programmed.

³ The PANIC alarm sounds the sirens and strobe if programmed.

Related options for Fire and Medical P75E, P77E, P191E, P193E, P161E, P126E 2E 3E, P69E 1E
Related options for Panic P61E 5E~8E

PROGRAMMING

PROGRAMMING BY SMS



SMS commands are extremely flexible in their format.

THE PANEL CANNOT BE PROGRAMMED WHILE ARMED. SMS OR KEYPAD PROGRAMMING IS PERFORMED IN THE DISARMED STATE.

MULTIPLE COMMANDS

You can send multiple programming commands in one text message - in fact the message can be as long as the SMS limit of 160 characters per single message. See the Installer Manual for detailed instructions.

USE OF SPACES

The panel automatically ignores spaces in most SMS commands. However, spaces are important in Text Output commands, see page 11.

UPPER or LOWER CASE is ok

You can use either UPPER CASE or lower case characters in your messages, or even mixed case without a problem.

But BEWARE OF COMMAS

Commas are used to separate words when reprogramming text output, so use commas only when the command allows it.

SMS REPLIES: The panel replies to each programming command with a confirmation message. Incorrectly formatted messages will be ignored.

ACK (Acknowledged): ACK is the panel saying 'Command received and applied'.

NAK (Not Acknowledged): The 'NAK' response indicates that the command was not accepted by the panel. Check the format of your SMS or perhaps the command should have been sent in Installer program mode.

TOGGLE OVER-RIDE

With some options U and Z can replace E to ensure an option is ON or OFF instead of toggled.

Example:

P39E1E toggles option 1

P39E1U sets ON option 1

P39E1Z sets OFF option 1

For experienced installers only, works only with 'AND' program options.

To **DELETE** a user code or phone number, enter V in place of the number.

Example.

P123EP000000EP180EVE deletes SMS phone number 1.

DPlus control panels with the optional 4G Comms module can be operated and programmed by SMS (TXT) messaging from any mobile phone.

This section covers programming by direct SMS messaging from a mobile phone.

SMS PROGRAMMING COMMANDS

PROGRAMMING BY SMS FROM A SMARTPHONE

SMS programming commands are sent to the XCEL panel in essentially the same format as programming using a KPX+ or Saturn keypad.

Examples using the factory default master code: 123

EXAMPLE 1	
Program the Entry Delay time to be 15 seconds	
SMS SENT TO THE PANEL	SMS REPLY
<p>P123E P26E 15E</p> <p>Entry Delay can be programmed in User Program Mode so the installer code is not required.</p> <p>This command is ok to send without spaces, ie. P123EP26E15E will also work.</p>	<p>M123E ACK M26E ACK 15E ACK ME ACK</p>

The command comprises of three parts, where...

P123E	P26E	15E
Enters user program mode. 123 in this case is the Master code.	The option number for Entry Delay	Programs Entry Delay to be 15 seconds

EXAMPLE 2	
Program User Code 2 to be 5678.	
SMS SENT TO THE PANEL	SMS REPLY
<p>P123E P202E 5678E 5678E</p> <p>User Codes can be programmed in User Program Mode so the installer code is not required.</p> <p>User Codes must not start with zero.</p>	<p>M123E ACK M202E ACK 5678E ACK 5678E ACK ME ACK</p>

EXAMPLE 3 Sending multiple commands.	
For example, to program all these changes in one message.	
User code 6 change to 3456 Entry Delay change to 20 seconds Exit Delay change to 50 seconds Siren Time change to 3 minutes Zone 2 change to an entry delay zone	
SMS SENT TO THE PANEL	SMS REPLY
<p>P123E P000000E P206E 3456E 3456E P26E 20E P28E 50E P29E 3E P41E 2E</p> <p>This command requires both the master Code and Installer Code to be included.</p>	<p>M123E ACK M000000E ACK M206E ACK 3456E ACK 3456E ACK M26E ACK 20E ACK M28E ACK 50E ACK M29E ACK 3E ACK M41E ACK 2E ACK ME ACK</p>

CENTRAL STATION MONITORING

Message format:

SSSS	Account Number
Q	Event qualifier 1=New Event or Open 3=Restore or Close
XYZ	Alarm type
GG	Group or Area designation
CCC	Alarm number dd=User ID (1 to 56) zz = Zone ID (1 to 32) aa = 01 Area 1 aa = 02 Area 2 aa = 01 Monitor area aa = 00 24 Hr Area K = Checksum (0 to 0f hex)

REPORTS TABLE

REPORT NAME	SSSS	Q	XYZ	GG	CCC	SUFFIX
Zone 1- Zone 32 Alarm	ssss 18	q	130	aa	1-32	X
Duress	ssss 18	1	121	01	036	X
Keyswitch Panic	ssss 18	1	120	01	037	X
Keypad Panic	ssss 18	1	120	01	038	X
Radio Key Panic	ssss 18	1	120	01	1dd	k
Medical Alarm	ssss 18	1	100	01	033	k
Fire	ssss 18	1	110	01	034	k
Exit Install mode	ssss 18	1	306	01	035	k
External Tamper	ssss 18	q	137	01	040	k
Internal Tamper	ssss 18	q	137	01	041	k
Keypad Tamper	ssss 18	q	137	01	042	k
Remote Tamper	ssss 18	q	137	01	043	X
Remote Mains Fail	ssss 18	q	301	01	052	X
Remote Battery Fail	ssss 18	q	309	01	053	X
Remote Comms Fail	ssss 18	q	354	01	070	X
Radio Sensor Supervision	ssss 18	q	381	01	4zz	k
Radio Sensor Tamper	ssss 18	q	383	01	2zz	k
Radio Sensor Low Battery	ssss 18	q	384	01	3zz	k
Mains Fail	ssss 18	q	301	01	050	k
Panel Battery Fail	ssss 18	q	309	01	051	k
Open (Disarm)	ssss 18	1	402	aa	Odd	k
Force Open (Cancel)	ssss 18	1	406	aa	Odd	k
Close (Arm)	ssss 18	3	402	aa	Odd	k
Closing Extended	ssss 18	3	464	aa	Odd	k
Test Report	ssss 18	1	602	01	063	k
Zone 1-32 Manual Exclude	ssss 18	q	573	aa	1-32	X
Zone 1-32 Auto Exclude	ssss 18	q	380	aa	1-32	X

REPORT NAME	User ID
Arm/Disarm by Keyswitch	57
Shortcut Arm	58
Arm/Disarm by AutoTimer 1	91
Arm/Disarm by AutoTimer 2	92
Arm/Disarm by AutoTimer 3	93

REPORT NAME	User ID
Arm/Disarm by AutoTimer 4	94
Arm/Disarm by AutoTimer 5	95
Arm/Disarm by AutoTimer 6	96
Arm/Disarm by AutoTimer 7	97
Arm/Disarm by AutoTimer 8	98

IP REPORTING ALARM MESSAGE FIELDS

ITEM	PREFIX	FULL FIELD	COMMENT
1	AC	AC0000xxxx	8 digit field with 4 digit account number xxxx in hex format (as set by P72E, P73E). The 1st 4 digits are always 0.
2	DF	DFCID	CID (for IP reporting message). Fixed for all messages.
3	SQ	SQ00000000	8 digit field. A hexadecimal number from 0 to 13 (19 decimal). The 1st 7 digits are always 0.
4	DD	DDACCT18 QXYZGG CCCC	ACCT = 4 Digit Account number (0-9, B-F) MT = 18 Q, 1 = New Event or Opening, 3 = New Restore or Closing, 6 = Status report XYZ = Event code (3 Hex digits 0-9, B-F) GG = Group or Partition number (2 Hex digits 0-9, B-F. CCC = Zone number (Event reports) or User # (Open / Close reports) (3 Hex digits 0-9, B-F) F last digit fixed
5	TT	"TTTTIMEZONE HH:MM:SS DD/MM/YYYY"	The transmitted time. See below for time zone details.
6	PN	PN LOCATION	The panel name or location as renamed by the LOCATION in the text output table. Up to 32 characters. See SMS TEXT OUTPUT TABLE in the Installation manual.
7	PT	PTNESSDPLUS-x	Identifies the DPlus panel type: PTNESSDPLUS-8, PTNESSDPLUS-16, PTNESSDPLUS-24 or PTNESSDPLUS-32
8	XP	XP00000000	Poll Window Time in minutes. A hexadecimal number set to 3 times the actual poll time + 30secs.

The time zones sent are derived from the time zone reported by the network, ie it is location dependant. The product presently has provision for the following time zones.

AUS standard time zones: WST: UTC+08:00 Western Standard Time, ACST: UTC+09:30 Central Standard Time, AEST: UTC+10:00 Eastern Standard Time
AUS daylight saving zones: CDST or ACDT: UTC+10:30, in South Australia and Broken Hill, New South Wales, EDST or AEDT: UTC+11:00, in New South Wales, the ACT, Victoria, and Tasmania

NZ time zones: NZST: New Zealand Standard Time, CHAST: Chatham Island Standard Time

ARMOR IP POLLING MESSAGE FIELDS

ITEM	PREFIX	FULL FIELD	COMMENT
1	AC	AC0000xxxx	8 digit field with 4 digit account number xxxx in hex format (as set by P72E, P73E). The 1st 4 digits are always 0.
2	SQ	SQ00000003	8 digit field The 1st 7 digits are always 0, LAST DIGIT IS 3.
3	DF	DFNULL	Fixed for all poll messages.
4	PN	PN LOCATION	The panel name or location as renamed by the LOCATION in the text output table. Up to 32 characters. See SMS TEXT OUTPUT TABLE in this manual.
5	PT	PTNESSDPLUS-x	Identifies the DPlus panel type: PTNESSDPLUS-8, PTNESSDPLUS-16, PTNESSDPLUS-24 or PTNESSDPLUS-32
6	XP	XP000000ppp	"Poll Time in minutes. A hexadecimal number equivalent to P85E setting. It is not the same as XP in normal message as it is the poll interval, not the poll window."

Central station receiver setting for ArmorIP: UDP, UNENCRYPTED

Central station receiver setting for CSV-IP: TCP, UNENCRYPTED



Powerful SMS accessibility includes the ability to arm and disarm, program the control panel, check system status, read alarm memory, receive alarm messages and operate AUX outputs all by SMS/TXT messaging.

SMS 'Self-monitoring' reports include Arm/disarm reports by Area and User, Zone alarms and Restorals, System Alarms such as AC Fail and Low Battery, Panic and Duress alarms.

While SMS reporting is a powerful and useful feature it is dependent on the integrity and availability of the cellular network.

As with any SMS message it is possible that SMS monitoring reports may be delayed or fail to be delivered. Such failures are a function of the cellular network/s and beyond the control of Ness Corporation.

Ness recommends central station monitoring as your primary monitoring path.

SMS Reporting Message Format

Example 1 - Alarm from Zone 2

```
NESS security report
from MYPANEL
ALARM Z2 RUMPUS AREA 1
Tue 7 Aug 2018 4:07:22pm 1/1
```

SMS MESSAGE EXPLAINER

NESS security report Identifies the message as a Ness alarm panel report.

MYPANEL identifies the premises. This ID can be programmed by SMS using the LOCATION command. See page 10.

ALARM Tells us there has been an alarm

Z2 RUMPUS What caused the alarm. In this case Zone 2 which has been renamed Z2 RUMPUS. (The zone name can be programmed by SMS, otherwise the panel just reports the zone number). See page 10

AREA 1 Identifies the zone as belonging to Area 1

Tue 7 Aug 2018 4:07:22pm Time and date of the event

1/1. Means message 1 of 1. Long SMS messages are split into multiple messages of 160 characters each

Example 2 - Area 1 was Armed by User 1

```
NESS security report
from MYPANEL
ARMED USER 1 AREA 1
Tue 7 Aug 2018 4:57:54pm 1/1
```

Arm/disarm reports by SMS require these two options set:

P194E 1E, 2E, Enable SMS Open/Close Reports - page 20.

P183E program a phone number to receive SMS Open/Close reports - p14.

Example 3 - Mains Fail report

```
NESS security report
from MYPANEL
POWER FAILURE POWER
MAIN 12V
Tue 7 Aug 2018 5:30:00pm 1/1
```

Mains Fail reports by SMS can be enabled/disabled by option P191E 14E, page 16.



REQUEST PANEL STATUS BY SMS

D8XCEL and D16XCEL panel status can be interrogated by SMS. Check the sealed/unsealed status of zones, check miscellaneous alarm status and check if the system is armed, all by SMS messaging and reply.

Message Format.

i [Master Code] E [Command]

NOTES

Status requests can be made at any time including when the panel is armed, disarmed or in program mode.

Request Status Commands Example.

SMS SENT TO THE PANEL	SMS REPLY
<p>i123E ZU</p> <p>To request zones unsealed.</p>	<p>status report zones unsealed ZONE 3 ZONE 4 Tues 18 Sep 2018 10:11 1/1</p> <p>In this example, zones 3 and 4 are unsealed, followed by the date stamp and message number (1 of 1)</p>

Description	SMS COMMAND	Status update																
Zone Input Unsealed	ZU	LIST Zones 1-32																
Zone in Alarm	ZA	LIST Zones 1-32																
Zone Excluded	ZX	LIST Zones 1-32																
Zone Supervision Fail	ZS	LIST Zones 1-32																
Zone Doors Open (Wireless Reeds)	ZD	LIST Zones 1-32 wireless reed switch unsealed																
Zone Detector Low Battery (Wireless PIRs)	ZB	LIST Zones 1-32 wireless PIR low battery																
Zone Detector Tamper (Wireless PIRs)	ZT	LIST Zones 1-32 wireless device tamper alarm																
Miscellaneous Alarms	MISC	<p>List one or more miscellaneous alarm:</p> <table border="1"> <tr><td>Duress</td><td>Panel Tamper</td></tr> <tr><td>Panic</td><td>Keypad Tamper</td></tr> <tr><td>Medical</td><td>Pendant Panic</td></tr> <tr><td>Fire</td><td>Panel Battery Low</td></tr> <tr><td>Instal End</td><td>Mains Fail</td></tr> <tr><td>Ext Tamper</td><td></td></tr> </table>	Duress	Panel Tamper	Panic	Keypad Tamper	Medical	Pendant Panic	Fire	Panel Battery Low	Instal End	Mains Fail	Ext Tamper					
Duress	Panel Tamper																	
Panic	Keypad Tamper																	
Medical	Pendant Panic																	
Fire	Panel Battery Low																	
Instal End	Mains Fail																	
Ext Tamper																		
Status of armed conditions	ARM	<p>List one or more armed status:</p> <table border="1"> <tr><td>Area 1 Armed</td><td>Entry Delay 1 ON</td></tr> <tr><td>Area 2 Armed</td><td>Entry Delay 2 ON</td></tr> <tr><td>Area 1 Fully Armed</td><td>Manual Exclude Mode</td></tr> <tr><td>Area 2 Fully Armed</td><td>Memory Mode</td></tr> <tr><td>Home Armed</td><td>Day Zone Select</td></tr> <tr><td>Day Mode Armed</td><td></td></tr> </table>	Area 1 Armed	Entry Delay 1 ON	Area 2 Armed	Entry Delay 2 ON	Area 1 Fully Armed	Manual Exclude Mode	Area 2 Fully Armed	Memory Mode	Home Armed	Day Zone Select	Day Mode Armed					
Area 1 Armed	Entry Delay 1 ON																	
Area 2 Armed	Entry Delay 2 ON																	
Area 1 Fully Armed	Manual Exclude Mode																	
Area 2 Fully Armed	Memory Mode																	
Home Armed	Day Zone Select																	
Day Mode Armed																		
Status of outputs	OUTPUT	<p>List the status of various outputs:</p> <table border="1"> <tr><td>Siren Loud</td><td>Aux1</td></tr> <tr><td>Siren Soft</td><td>Aux2</td></tr> <tr><td>Siren Soft Home</td><td>Aux3</td></tr> <tr><td>Siren Fire</td><td>Aux4</td></tr> <tr><td>Strobe</td><td>Home Out</td></tr> <tr><td>Reset</td><td>Power Fail</td></tr> <tr><td>Sonalert</td><td>Panel Batt Fail</td></tr> <tr><td>Keypad Display Enable</td><td>Tamper Xpand</td></tr> </table>	Siren Loud	Aux1	Siren Soft	Aux2	Siren Soft Home	Aux3	Siren Fire	Aux4	Strobe	Home Out	Reset	Power Fail	Sonalert	Panel Batt Fail	Keypad Display Enable	Tamper Xpand
Siren Loud	Aux1																	
Siren Soft	Aux2																	
Siren Soft Home	Aux3																	
Siren Fire	Aux4																	
Strobe	Home Out																	
Reset	Power Fail																	
Sonalert	Panel Batt Fail																	
Keypad Display Enable	Tamper Xpand																	
Panel firmware version	MOD	Lists the panel's model and firmware version																
Status of auxiliary outputs	AUX	Lists the status of Auxiliary outputs 1 to 8. If the Aux outputs have been renamed they will be listed accordingly.																



CHANGING TEXT OUTPUT

The DPlus 4G Comms module has an extensive library of text descriptions used in SMS messaging, and also give the user the ability to customise the text output to suit individual needs.

For example, the default text sent for a zone alarm is:

```
NESS security report
from LOCATION
ALARM ZONE 3 AREA 1
Tue 7 Aug 2018 4:07:22pm 1/1
```

XCEL allows most words in this message to be modified.

Example, to rename ZONE 1

The zone name is set by the text output shortcut name Z1. (See the table, page 22).

SMS SENT TO THE PANEL	SMS REPLY
T123E,Z1,Z1 FRONT DOOR	text report changes made ZONE 1,Z1 FRONT DOOR 1/1

Zone 1 will now be identified in SMS reports as "Z1 FRONT DOOR"

SENDING MULTIPLE TEXT CHANGES IN ONE MESSAGE

Let's say you want to customise the panel's name and rename zone 2.

The panel name is set by the text output named LOCATION (LCN) and the zone name by the text ZONE 2 (Z2). (See the table, page 11).

To rename LOCATION and ZONE 2:

SMS SENT TO THE PANEL	SMS REPLY
T123E,LCN,MYHOME, Z2,Z2 RUMPUS	text report changes made LOCATION,MYHOME,ZONE 2,Z2 RUMPUS 1/1

The panel will now be identified in SMS reports as MYHOME and zone 2 as "Z2 RUMPUS"

Using the same method, all zone names and other descriptions in the SMS message can be renamed. Refer to the text table on page 11.

DELETING A WORD

Text output words can be also be deleted by ending blanks instead of new text.

For example to delete the zone 1 description "Z1 FRONT DOOR" insert a space followed by a comma in place of the text.

SMS SENT TO THE PANEL	SMS REPLY
T123E,Z1, ,	text report changes made ZONE 1, 1/1

Message Format.
T [Master Code]E,
ShortcutName,Rename

NOTES
Beware of spaces in this command.
Do not insert any spaces before a command name.
For example, if renaming Location...
This is ok T123E,LCN,My House
The space between My and House is ok but avoid any other spaces.

See page 11 for a table of text names and shortcut names.

SMS - TEXT OUTPUT TABLE

Default NAME (Shortcut NAME)*	Navigator Installer Information Screen	Your data
INSTALLER NAME 1 (IN1)	Name	
INSTALLER COMPANY 1 (IC1)	Company	
INSTALLER ADDRESS 1 (IA1)	Address Line 1	
INSTALLER ADDRESS 3 (IA3)	Address Line 2	
INSTALLER TEL NO 1 (IT1)	Phone	
INSTALLER MOBILE 1 (IM1)	Mobile	
INSTALLER EMAIL 1 (IE1)	Email	

Text names most commonly customised

Default NAME (Shortcut NAME)*	RENAME
LOCATION (LCN)	
USER 1 (U1)	
USER 2 (U2)	
USER 3 (U3)	
USER 4 (U4)	
USER 5 (U5)	
USER 6 (U6)	
USER 7 (U7)	
USER 8 (U8)	
USER 9 (U9)	
USER 10 (U11)	
USER 11 (U11)	
USER 12 (U12)	
USER 13 (U13)	
USER 14 (U14)	
USER 15 (U15)	
USER 16 (U16)	
USER 17 (U17)	
USER 18 (U18) ... to User 56 (U56)	
ZONE 1 (Z1)	
ZONE 2 (Z2)	
ZONE 3 (Z3)	
ZONE 4 (Z4)	

Default NAME (Shortcut NAME)*	RENAME
ZONE 5 (Z5)	
ZONE 6 (Z6)	
ZONE 7 (Z7)	
ZONE 8 (Z8)	
ZONE 9 (Z9)	
ZONE 10 (Z10)	
ZONE 11 (Z11)	
ZONE 12 (Z12)	
ZONE 13 (Z13)	
ZONE 14 (Z14)	
ZONE 15 (Z15)	
ZONE 16 (Z16) Up to Zone 32...	
AUX1 (X1)	
AUX2 (X2)	
AUX3 (X3)	
AUX4 (X4)	
AUX5 (X5)	
AUX6 (X6)	
AUX7 (X7)	
AUX8 (X8)	
DOOR 1 (D1)	
DOOR 2 (D2)	
DOOR 3 (D3)	

Additional text names available for customisation

Default NAME				
1st NAME	AUTO INCLUDE	FIRE	NESS	SECURITY SYSTEM
24 HR	BATTERY	FIRE SIREN	NO AREA	SHORT ARM
ACCESS	BATTERY FAILURE	from	NORMAL	SIREN
ACK	BATTERY NORMAL	FROM	OUTPUT OFF	SOFT MONITOR
ALARM	CLOCK AND DATE	from PENDANT	OUTPUT ON	SOFT SIREN
ALARM REPORT	UPDATE	HOME	PANIC	SONALERT
ALARM RESTORE	DAY	INTERNAL	PENDANT	START
AREA 1	DIALLER	KEYPAD	POWER	STROBE
AREA 2	DISARMED	KEYPAD DISPLAY	POWER FAILURE	SUPERVISE
ARMED AWAY	DOOR OPEN TOO LONG	ENABLE	POWER NORMAL	SUPERVISION FAILURE
ARMED DAY	DURESS	KEYSWITCH	RADIO DETECTOR	SUPERVISION NORMAL
ARMED HOME	EMERGENCY	MAIN 12V	REAL TIME CLOCK	TAMPER
ARMING DELAYED	EMERGENCY REPORT	MAIN UNIT	REPORT FAILURE	TAMPER NORMAL
Ask	END	MANUAL EXCLUDE	REPORT NORMAL	TAMPER UNSEALED
AUTO ARM DELAY	EXIT DELAY	MANUAL INCLUDE	RESET	TEXT CHANGES
AUTO EXCLUDE	EXTERNAL	MEDICAL	SEALED	UNSEALED
	FAILURE	NAK	SECURITY REPORT	USER
				WARNING REPORT

*Shortcut names are provided for simplified programming by SMS. (Omit the brackets).
See page 10 Changing Text Output

PROGRAMMING

Option No.	Description	Default
P170E	CENTRAL STATION REPORTING NUMBER 1	
P171E	CENTRAL STATION REPORTING NUMBER 2	
P172E	CENTRAL STATION REPORTING NUMBER FOR TEST CALLS	

COMMS P170E	CENTRAL STATION REPORTING NUMBER 1												
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT None</p> <p>NOTES</p> <ul style="list-style-type: none"> • IP Address, Domain Name, Telephone Numbers or can be up to 20 digits long. • To delete a reporting number via LCD keypad, enter the MEMORY key in place of the telephone number. Example, to delete Reporting Number1, press: P170E MEMORY E <p>RELATED OPTIONS</p> <p>P87E 1E Alternate Primary/Secondary numbers.</p> <p>P86E 1E Disable Communicator.</p> <p>P86E 2E Enable Contact ID reporting</p> <p>P86E 3E Enable ARMOR IP reporting</p>	<p>For central station reporting, enter the Primary IP address and Port for reporting by IP protocol.</p> <p>Example, If you program a phone number in P170E and an IP address in P171E then reports will be sent to both, also depending on P87E 1E setting.</p> <p>If your central station has issued a Domain Name (rather than IP address) this must be programmed via SMS.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #ff00ff; color: white; text-align: center;">PHONE NO VIA KPX+</td> <td>P170E [New Number]E</td> </tr> <tr> <td style="background-color: #ff00ff; color: white; text-align: center;">IP ADDRESS VIA KPX+</td> <td>P170E[IPAddress]:[Port]E * (Home key) = dot in IP address # (Exclude key) = : colon, start of port number</td> </tr> <tr> <td style="background-color: #008000; color: white; text-align: center;">NAVIGATOR</td> <td>P170E > [New Number]E</td> </tr> <tr> <td style="background-color: #00bfff; color: white; text-align: center;">PHONE No VIA SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P170E [Phone Number]E</td> </tr> <tr> <td style="background-color: #00bfff; color: white; text-align: center;">IP ADDRESS VIA SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P170E [IP Address : Port]E</td> </tr> <tr> <td style="background-color: #00bfff; color: white; text-align: center;">DOMAIN NAME VIA SMS*</td> <td>T[MasterCode]E,P[InstallerCode]E,DN1,[Domain Name]:[Port No] <i>Example: T123E,P000000E,DN1,www.ness.com.au:9467</i></td> </tr> </table> <p>NOTES</p> <ol style="list-style-type: none"> 1) The SMS reply includes the Domain Name, Port No. and the current IP address (if found) for the domain name. 2) If you are using a NAVIGATOR Keypad, the programmed Domain Name and Port No can be viewed on the Network Details page (in Program mode). 3) If the Domain Name has been programmed via SMS then P170E must not be further programmed by keypad. The option will display 0.0.0.0 via keypad display. 	PHONE NO VIA KPX+	P170E [New Number]E	IP ADDRESS VIA KPX+	P170E[IPAddress]:[Port]E * (Home key) = dot in IP address # (Exclude key) = : colon, start of port number	NAVIGATOR	P170E > [New Number]E	PHONE No VIA SMS*	P[MasterCode]E P[InstallerCode]E P170E [Phone Number]E	IP ADDRESS VIA SMS*	P[MasterCode]E P[InstallerCode]E P170E [IP Address : Port]E	DOMAIN NAME VIA SMS*	T[MasterCode]E,P[InstallerCode]E,DN1,[Domain Name]:[Port No] <i>Example: T123E,P000000E,DN1,www.ness.com.au:9467</i>
PHONE NO VIA KPX+	P170E [New Number]E												
IP ADDRESS VIA KPX+	P170E[IPAddress]:[Port]E * (Home key) = dot in IP address # (Exclude key) = : colon, start of port number												
NAVIGATOR	P170E > [New Number]E												
PHONE No VIA SMS*	P[MasterCode]E P[InstallerCode]E P170E [Phone Number]E												
IP ADDRESS VIA SMS*	P[MasterCode]E P[InstallerCode]E P170E [IP Address : Port]E												
DOMAIN NAME VIA SMS*	T[MasterCode]E,P[InstallerCode]E,DN1,[Domain Name]:[Port No] <i>Example: T123E,P000000E,DN1,www.ness.com.au:9467</i>												
COMMS P171E	CENTRAL STATION REPORTING NUMBER 2												
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT None</p>	<p>Secondary Central Station Reporting number.</p> <p>P171E programming method as per P170E above</p>												
COMMS P172E	CENTRAL STATION REPORTING NUMBER FOR TEST CALLS												
<p>RELATED OPTIONS</p> <p>P87E 1E Alternate Primary/Secondary telephone numbers.</p> <p>P86E 1E Disable Communicator.</p> <p>P86E 3E Enable ArmorIP reporting</p> <p>P89E 1E Enable Test Calls</p>	<p>The phone number or IP address for sending TEST reports to a central station.</p> <p>If this number is blank and test calls are enabled then the primary reporting number P170E is used.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #ff00ff; color: white; text-align: center;">P ADDRESS VIA KPX+</td> <td>P172E [New Number]E P172E[IPAddress]:[Port]E * (Home key) = dot in IP address # (Exclude key) = : colon, start of port number</td> </tr> <tr> <td style="background-color: #008000; color: white; text-align: center;">NAVIGATOR</td> <td>P172E > [IP address]E</td> </tr> <tr> <td style="background-color: #00bfff; color: white; text-align: center;">SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P172E [New Phone Number]E</td> </tr> </table>	P ADDRESS VIA KPX+	P172E [New Number]E P172E[IPAddress]:[Port]E * (Home key) = dot in IP address # (Exclude key) = : colon, start of port number	NAVIGATOR	P172E > [IP address]E	SMS*	P[MasterCode]E P[InstallerCode]E P172E [New Phone Number]E						
P ADDRESS VIA KPX+	P172E [New Number]E P172E[IPAddress]:[Port]E * (Home key) = dot in IP address # (Exclude key) = : colon, start of port number												
NAVIGATOR	P172E > [IP address]E												
SMS*	P[MasterCode]E P[InstallerCode]E P172E [New Phone Number]E												

- Options relating to SMS reporting in blue
- Options relating to CENTRAL STATION reporting in green

Option No.	Description	Default
P72E	ACCOUNT NUMBER 1	0000
P73E	ACCOUNT NUMBER 2	0000

COMMS
P72E~P73E

PROGRAM MODE LEVEL
Installer

FACTORY DEFAULT
P72E Account No.1: 0000
P73E Account No.2: 0000

RELATED OPTIONS
P79E Account No.2 zones

ACCOUNT NUMBER 1 & 2

Account numbers for identifying the panel to the Central Station. Area 1 Open/Close reports will report on Account No.1 and Area 2 Open/Close reports will report on Account No.2.

Zone Alarms can be assigned to report on either Account Number as set by Option P79E. All miscellaneous events (eg. Tamper, Mains Fail) will report on Account No. 1

KPX+	P72E [Account Number] E P73E [Account Number] E
NAVIGATOR	P72E > Enter Account Number P73E > Enter Account Number
SMS*	P[MasterCode]E P72E [Account Number]E P[MasterCode]E P73E [Account Number]E

HEX ACCOUNT NUMBERS USING NAVIGATOR KEYPAD

Navigator keypad provides buttons for entering Hex digits B, C, D, E, F in the P72E option.

HEX ACCOUNT NUMBERS USING KPX+ KEYPAD

Central station client codes can be entered in Hexadecimal as required by some central stations. Use the following keys to enter the hex digits B, C, D, E or F.

HEX DIGIT	KPX+ KEY	DISPLAYED AS
B	* Key	11
C	ARM Key	12
D	HOME Key	13
E	EXCLUDE Key	14
F	MEMORY key	15

SPECIAL CHARACTERS USING NAVIGATOR KEYPAD

Navigator keypad provides buttons for entering Pause, Star and Hash.

~P171E SPECIAL CHARACTERS USING KPX+ KEYPAD

If required, pauses, * (star) or # (hash) VF digits can be included in the dialling sequence by using the keys in the table below.

SPECIAL CHARACTER	KEY ENTRY	KEYPAD DISPLAY
PAUSE (1.6sec)	ARM Key	12
* (Star)	HOME Key	10
# (Hash)	EXCLUDE Key	11

- Options relating to SMS reporting in blue
- Options relating to CENTRAL STATION reporting in green

PROGRAMMING



* SMS programming and operation requires the optional 106-985 4G Module

Option No.	Description	Default
P180E	Phone Number 1 for SMS Alarms, Status Reports	
P181E	Phone Number 2 for SMS Alarms, Status Reports	
P182E	Phone Number 3 for SMS Alarms, Status Reports	
P183E	Phone Number 4 for SMS Area 1 Open/Close reports	
P184E	Phone Number 5 for SMS Area 2 Open/Close reports	
P185E	Phone Number 6 for SMS operation [#]	
P186E	Phone Number 7 for SMS operation [#]	
P187E	Phone Number 8 for SMS operation [#]	
P188E	Phone Number 9 for SMS operation [#]	
P189E	Phone Number 10 for SMS operation [#]	

COMMS P180E ~ P189E	SMS PHONE NUMBERS						
<p>PROGRAM MODE LEVEL User or Installer</p> <p>FACTORY DEFAULT No telephone numbers.</p> <p>NOTES</p> <ul style="list-style-type: none"> Telephone numbers can be up to 20 digits long. Mobile numbers take the format 04xx xxx xxx without spaces. <p>RELATED OPTIONS</p> <p>P86E 1E Disable Communicator P190E Report zone alarms by SMS P191E Report misc alarms by SMS P192E Report zone restores by SMS P193E Report misc restores by SMS P194E 1E Report Area1 O/C by SMS P194E 2E Report Area2 O/C by SMS</p> <p>NOTES</p> <ul style="list-style-type: none"> If P86E 1E Disable Communicator is ON the panel will not send any SMS messages (no alarm reports or ACK replies). <p>See page 8 for SMS messaging examples.</p> <ul style="list-style-type: none"> P184E Area 2 open/close reports is available in V10.8 and later. Earlier versions report both Area 1 and Area 2 open/close reports as Area 1. 	<p>Phone Numbers 1 to 3 will receive SMS alarm reports and status reports but not open/close reports.</p> <p>Phone Numbers 4 & 5 will receive SMS open/close reports only. (Open Close reports for each area must be enabled by P194E 1E & 2E)</p> <p>#Phone Numbers 6 to 10 are used for the panel to recognise "Known" phone numbers and reply appropriately to operation and programming commands. These numbers do not receive any SMS alarm reports.</p> <p>Note 1. Phone numbers 6 to 10 are not essential if the phone sending SMS commands is programmed in one of Phone Numbers 1 to 5.</p> <p>Note 2. The panel will respond to a valid command from any mobile phone number, not just the numbers programmed. However, "Unknown" phone numbers will not get replies to invalid messages. See SMS Responses on page 5.</p> <p>For the user's convenience, all SMS phone numbers are programmable in User program Mode (and of course in Installer Program Mode).</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr style="background-color: #FF00FF;"> <td style="width: 15%; padding: 2px;">KPX+</td> <td style="padding: 2px;">PxxxE [New Phone Number]E</td> </tr> <tr style="background-color: #00FF00;"> <td style="padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">PxxxE > [New Phone Number]E</td> </tr> <tr style="background-color: #0070C0; color: white;"> <td style="padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E PxxxE [New Phone Number]E</td> </tr> </table> <p style="margin-top: 10px;">To delete a telephone number.</p> <p>By keypad: Enter the MEMORY key in place of the telephone number. Example, to delete SMS Telephone Number 1 press: P180E MEMORY E</p> <p>By SMS: Enter V in place of the telephone number. Example, to delete SMS Telephone Number 1 send the SMS message, P[MasterCode]E P[InstallerCode]E P180EVE</p>	KPX+	PxxxE [New Phone Number]E	NAVIGATOR	PxxxE > [New Phone Number]E	SMS*	P[MasterCode]E P[InstallerCode]E PxxxE [New Phone Number]E
KPX+	PxxxE [New Phone Number]E						
NAVIGATOR	PxxxE > [New Phone Number]E						
SMS*	P[MasterCode]E P[InstallerCode]E PxxxE [New Phone Number]E						

- Options relating to SMS reporting in blue
- Options relating to CENTRAL STATION reporting in green

Option No.	Description	ZONES 1-8								ZONES 9-32 IF FITTED							
		1	2	3	4	5	6	7	8	9	10	11	31	31	32
P74E	REPORT ZONE ALARMS by ArmorIP/CSV	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
P76E	REPORT ZONE RESTORALS by ArmorIP/CSV	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
P190E	REPORT ZONE ALARMS by SMS	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
P192E	REPORT ZONE RESTORALS by SMS	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
P78E	MULTIPLE ZONE ALARMS																
P79E	ACCOUNT NUMBER 2 ZONES																

COMMS P74E, P76E	REPORT ZONE ALARMS & RESTORALS BY ArmorIP/CSV						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT All ON: All zones report</p>	<p>Select which zones will send Alarm reports to the Central Station in ArmorIP/CSV format or by SMS with the flexibility to choose which zones are reported in each format.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #ff00ff; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">PxxE [Zone Number] E to enable/disable zones</td> </tr> <tr> <td style="background-color: #00ff00; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">PxxE > Select zones</td> </tr> <tr> <td style="background-color: #00bfff; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E PxxE [Zone Number] E</td> </tr> </table>	KPX+	PxxE [Zone Number] E to enable/disable zones	NAVIGATOR	PxxE > Select zones	SMS*	P[MasterCode]E P[InstallerCode]E PxxE [Zone Number] E
KPX+	PxxE [Zone Number] E to enable/disable zones						
NAVIGATOR	PxxE > Select zones						
SMS*	P[MasterCode]E P[InstallerCode]E PxxE [Zone Number] E						
COMMS P190E, P192E	REPORT ZONE ALARMS & RESTORALS BY SMS						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT All ON: All zones report</p> <p>RELATED OPTIONS P82E 1E Send Restoral immediately. P82E 2E Send Restoral after siren time. P82E 3E Send Restoral on Disarm & seal. P82E 4E Send Restoral on Disarm always.</p>	<p>This option selects which zone inputs will send Restoral reports to the Central Station or SMS. Only zones that have previously sent an Alarm will send a Restoral.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #ff00ff; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">PxxE [Zone Number] E to enable/disable zones</td> </tr> <tr> <td style="background-color: #00ff00; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">PxxE > Select zones</td> </tr> <tr> <td style="background-color: #00bfff; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E PxxE [Zone Number] E</td> </tr> </table>	KPX+	PxxE [Zone Number] E to enable/disable zones	NAVIGATOR	PxxE > Select zones	SMS*	P[MasterCode]E P[InstallerCode]E PxxE [Zone Number] E
KPX+	PxxE [Zone Number] E to enable/disable zones						
NAVIGATOR	PxxE > Select zones						
SMS*	P[MasterCode]E P[InstallerCode]E PxxE [Zone Number] E						
COMMS P78E	REPORT MULTIPLE ZONE ALARMS						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT No zones report Multiple Alarms.</p> <p>NOTES Only zones that have previously sent an Alarm will send a Restoral.</p> <p>RELATED OPTIONS P89E 4E Swinger shutdown.</p>	<p>Zones selected for Multiple Zone Alarms will report each time the zone alarms and without a restore being sent. The number of reports is a maximum of 15. The number of alarms sent for each Multiple Zone Alarm can be reduced to 3 by using the swinger shutdown option P89E 4E.</p> <p>Zones not selected report only once, until reset by an opening or a valid code.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #ff00ff; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">P78E [Zone Number] E to enable/disable zones</td> </tr> <tr> <td style="background-color: #00ff00; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">P78E > Select zones</td> </tr> <tr> <td style="background-color: #00bfff; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E P78E [Zone Number] E</td> </tr> </table>	KPX+	P78E [Zone Number] E to enable/disable zones	NAVIGATOR	P78E > Select zones	SMS*	P[MasterCode]E P[InstallerCode]E P78E [Zone Number] E
KPX+	P78E [Zone Number] E to enable/disable zones						
NAVIGATOR	P78E > Select zones						
SMS*	P[MasterCode]E P[InstallerCode]E P78E [Zone Number] E						
COMMS P79E	ACCOUNT NO.2 ZONES						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT None</p>	<p>Zones selected to be Account No.2 zones will report their Alarms, Restorals and Excludes on Client code 2.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #ff00ff; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">P79E [Zone Number] E to enable/disable zones</td> </tr> <tr> <td style="background-color: #00ff00; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">P79E > Select zones</td> </tr> <tr> <td style="background-color: #00bfff; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E P79E [Zone Number] E</td> </tr> </table>	KPX+	P79E [Zone Number] E to enable/disable zones	NAVIGATOR	P79E > Select zones	SMS*	P[MasterCode]E P[InstallerCode]E P79E [Zone Number] E
KPX+	P79E [Zone Number] E to enable/disable zones						
NAVIGATOR	P79E > Select zones						
SMS*	P[MasterCode]E P[InstallerCode]E P79E [Zone Number] E						

KPX+ PRO TIP
When selecting zones, **MEMORY E** selects all zones, **0 E** deselects all zones

- Options relating to SMS reporting in blue
- Options relating to CENTRAL STATION reporting in green

PROGRAMMING

MISCELLANEOUS ALARMS	Reporting by IP				Reporting by SMS			
	ALARM	Default	RESTORAL	Default	ALARM	Default	RESTORAL	Default
Report Duress alarms	P75E 1E	OFF	P77E 1E	ON	P191E 1E	OFF	P193E 1E	ON
Report Medical alarms	P75E 2E	OFF	P77E 2E	ON	P191E 2E	OFF	P193E 2E	ON
Report KP Panic & KS Panic	P75E 3E	ON	P77E 3E	ON	P191E 3E	ON	P193E 3E	ON
Report Fire alarm	P75E 4E	OFF	P77E 4E	ON	P191E 4E	OFF	P193E 4E	ON
Report Panel Tamper	P75E 5E	ON	P77E 5E	ON	P191E 5E	ON	P193E 5E	ON
Report External Tamper	P75E 6E	ON	P77E 6E	ON	P191E 6E	ON	P193E 6E	ON
Report Keypad Tamper	P75E 7E	ON	P77E 7E	ON	P191E 7E	ON	P193E 7E	ON
Report Exit from Installer Program Mode	P75E 8E	OFF	P77E 8E	ON	P191E 8E	OFF	P193E 8E	ON
Report Radio Tamper	P75E 9E	ON	P77E 9E	ON	P191E 9E	ON	P193E 9E	ON
Report Radio Panic by User ID	P75E 10E	ON	P77E 10E	ON	P191E 10E	ON	P193E 10E	ON
Report Radio Low Battery by device	P75E 11E	OFF	P77E 11E	ON	P191E 11E	OFF	P193E 11E	ON
Report Zone Supervision fail	P75E 12E	OFF	P77E 12E	ON	P191E 12E	OFF	P193E 12E	ON
Report Panel Low Battery	P75E 13E	ON	P77E 13E	ON	P191E 13E	ON	P193E 13E	ON
Report Mains fail	P75E 14E	ON	P77E 14E	ON	P191E 14E	ON	P193E 14E	ON

COMMS P75E, P77E	REPORT MISCELLANEOUS ALARMS & RESTORALS BY IP						
COMMS P191E, P193E	REPORT MISCELLANEOUS ALARMS & RESTORALS BY SMS						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT See table.</p> <p>RELATED OPTIONS P82E Restoral Reporting Options</p> <p>KPX+ PRO TIP When selecting zones, MEMORY E selects all, 0 E deselects all.</p>	<p>These options select which Miscellaneous alarms will trigger the communicator to send Miscellaneous Alarm and Restoral reports to the Central Station or by SMS messaging.</p> <p>Alarms are sent on activation. Restorals are sent according to P82E settings. Mains Fail and Low Battery Restorals are sent when the power has been restored.</p> <p>Note the different program option numbers for the D8 and D16.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #FF00FF; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">PxxE [Zone Number] E to enable/disable zones</td> </tr> <tr> <td style="background-color: #008000; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">PxxE > Select zones</td> </tr> <tr> <td style="background-color: #0000FF; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E PxxE [Zone Number] E</td> </tr> </table> <p>xx = See the table for program option numbers</p>	KPX+	PxxE [Zone Number] E to enable/disable zones	NAVIGATOR	PxxE > Select zones	SMS*	P[MasterCode]E P[InstallerCode]E PxxE [Zone Number] E
KPX+	PxxE [Zone Number] E to enable/disable zones						
NAVIGATOR	PxxE > Select zones						
SMS*	P[MasterCode]E P[InstallerCode]E PxxE [Zone Number] E						

Option No.	Description	Default	
P82E	1E	Send RESTORAL report immediately	OFF
	2E	Send RESTORAL after siren time	OFF
	3E	Send RESTORAL after Disarm & seal	OFF
	4E	Send RESTORAL after Disarm always	ON

COMMS P82E 1E-4E	RESTORAL REPORTING OPTIONS						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT 4E, ON: Always send Restoral on Disarm.</p> <p>RELATED OPTIONS P76E Report zone restorals.</p>	<p>This option selects when the communicator sends zone Restoral reports. Only one of the following options may be selected.</p> <p>Restoral reporting options also apply to 24hr zones.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #FF00FF; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">P82E xE to enable/disable the option</td> </tr> <tr> <td style="background-color: #008000; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">P82E > enable/disable xE</td> </tr> <tr> <td style="background-color: #0000FF; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E P82E xE</td> </tr> </table> <p>x = 1E, 2E, 3E or 4E</p>	KPX+	P82E xE to enable/disable the option	NAVIGATOR	P82E > enable/disable xE	SMS*	P[MasterCode]E P[InstallerCode]E P82E xE
KPX+	P82E xE to enable/disable the option						
NAVIGATOR	P82E > enable/disable xE						
SMS*	P[MasterCode]E P[InstallerCode]E P82E xE						

- Options relating to SMS reporting in blue
- Options relating to CENTRAL STATION reporting in green

Option No.	Description	Default	Note
P83E	TEST CALL INTERVAL	84	x2 = 168hrs
P84E	TIME BEFORE NEXT TEST CALL	none	x2 = 12hrs
P85E	POLLING INTERVAL	8 (OFF)	5~8

COMMS P83E	TEST CALL INTERVAL						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT 84 (=168hrs =7 days).</p> <p>NOTES • Enter a value from 1 to 99.</p> <p>RELATED OPTIONS P89E 1E Enable Test Calls. P84E Time Before Next Test Call.</p>	<p>Test calls to the Central Station can be sent at intervals between 2 and 198 hours in 2 hour increments. Programmable from 2 to 198 Hours. Enter a value between 1 and 99. (This is automatically multiplied by 2).</p> <p>EXAMPLE: To program daily test calls: P83E12E</p> <p>Test Calls must be enabled by option P89E 1E.</p> <table border="1" style="width: 100%;"> <tr> <td style="background-color: #ff00ff; color: white;">KPX+</td> <td>P83E [New Time] E</td> </tr> <tr> <td style="background-color: #00ff00; color: white;">NAVIGATOR</td> <td>P83E > [New Time] E</td> </tr> <tr> <td style="background-color: #00bfff; color: white;">SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P83E [NewTime] E</td> </tr> </table>	KPX+	P83E [New Time] E	NAVIGATOR	P83E > [New Time] E	SMS*	P[MasterCode]E P[InstallerCode]E P83E [NewTime] E
KPX+	P83E [New Time] E						
NAVIGATOR	P83E > [New Time] E						
SMS*	P[MasterCode]E P[InstallerCode]E P83E [NewTime] E						
COMMS P84E	TIME BEFORE NEXT TEST CALL						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT none</p> <p>NOTES 1. Enter a value from 1 to 99 2. If Test Calls are to start immediately, then the value is set to 0. 3. The Time Before Next Test Call is a dynamic value. When viewed, the current value will be displayed (not the initially entered value).</p> <p>RELATED OPTIONS P89E 1E, Enable Test Calls. P83E, Test Call interval.</p> <p>INSTALLER'S TIP Use P88888888E prior to powering down for a short time. This will save the current Time Before Next Test Call and the Real Time Clock into permanent memory. On power up these times will be restored.</p>	<p>This option sets the time before the next test call and is used to set the preferred time for Test Calls. Programmable from 2 to 198 Hours. Enter a value between 1 and 99. (This is automatically multiplied by 2).</p> <p>Examples:</p> <p>A. New Installation: Set the time before the next test call. E.g., If you are programming the panel at 5pm and you want test calls to be sent at 1am. Enter P84E 4E (4 x 2 =8hrs. Therefore 5pm + 8hrs = 1am).</p> <p>B. Existing Installation: To reset the time that test calls are sent. E.g., Our example panel is sending test calls at 1am and you want to change it to 2am. If you are programming the panel at 6pm, enter P84E 4E (4 x 2 =8hrs. Therefore 6pm + 8hrs =2am).</p> <table border="1" style="width: 100%;"> <tr> <td style="background-color: #ff00ff; color: white;">KPX+</td> <td>P84E [New Time] E</td> </tr> <tr> <td style="background-color: #00ff00; color: white;">NAVIGATOR</td> <td>P84E > [New Time] E</td> </tr> <tr> <td style="background-color: #00bfff; color: white;">SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P84E [NewTime] E</td> </tr> </table>	KPX+	P84E [New Time] E	NAVIGATOR	P84E > [New Time] E	SMS*	P[MasterCode]E P[InstallerCode]E P84E [NewTime] E
KPX+	P84E [New Time] E						
NAVIGATOR	P84E > [New Time] E						
SMS*	P[MasterCode]E P[InstallerCode]E P84E [NewTime] E						
COMMS P85E	POLLING INTERVAL						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT OFF</p> <p>NOTES • Enter a value from 5 to 8</p> <p>RELATED OPTIONS P86E 3E Enable reporting by ARMOR IP P172E Central Station Reporting Number or IP address for Test Calls</p>	<p>The polling interval for IP reporting for can be set from 10 mins to 24hrs. Enter a value 5~8 5=4hr, 6=12hr, 7=24hr, 8=OFF (Default)</p> <table border="1" style="width: 100%;"> <tr> <td style="background-color: #ff00ff; color: white;">KPX+</td> <td>P85E [New Time] E</td> </tr> <tr> <td style="background-color: #00ff00; color: white;">NAVIGATOR</td> <td>P85E > [New Time] E</td> </tr> <tr> <td style="background-color: #00bfff; color: white;">SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P85E [NewTime] E</td> </tr> </table> <p style="color: red; font-weight: bold;">NOTE: *Intervals 1 to 4 may generate excessive comms traffic and are not recommended for normal use. To be used for test purposes only. For reference: 1=10min, 2=20min, 3=30min, 4=1hr</p>	KPX+	P85E [New Time] E	NAVIGATOR	P85E > [New Time] E	SMS*	P[MasterCode]E P[InstallerCode]E P85E [NewTime] E
KPX+	P85E [New Time] E						
NAVIGATOR	P85E > [New Time] E						
SMS*	P[MasterCode]E P[InstallerCode]E P85E [NewTime] E						

- Options relating to SMS reporting in blue
- Options relating to CENTRAL STATION reporting in green

PROGRAMMING

Option No.	Description	Default	
P86E	1E	Disable Communicator	OFF
	3E	Enable reporting by ARMOR IP	ON
	5E	Enable reporting by CSV IP	OFF

COMMS P86E 1E	DISABLE COMMUNICATOR						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT Off: Communicator is enabled.</p> <p>NOTES When should this option be used? 1. To temporarily prevent central station reports and outgoing SMS messages while testing the system. (Not essential but useful)</p> <p>2. To permanently disable the communicator if using the panel without a SIM.</p> <p>Communicator Buffer Disabling the communicator also clears the SMS and reporting queue. In addition, the panel does not buffer any alarm messages while the communicator is disabled to prevent a flood of outgoing messages once it is re-enabled.</p> <p>Signal Strength Indicator While the communicator is disabled, the keypad/s will show Signal Strength level 0 (zero) even if a SIM card remains fitted.</p>	<p>When this option is on the communicator is disabled even if telephone numbers and other comms options are programmed.</p> <p>This option disables both incoming and outgoing communications. No alarm reports will be sent and the panel will ignore incoming SMS messages.</p> <p>Turn this option on if you are using the panel as a local system without an active SIM card. Leaving the communicator enabled without a SIM will generate unwanted errors.</p> <table border="1" style="width: 100%;"> <tr> <td style="background-color: #ff00ff;">KPX+</td> <td>P86E 1E to enable/disable the option</td> </tr> <tr> <td style="background-color: #008000;">NAVIGATOR</td> <td>P86E > enable/disable 1E</td> </tr> <tr> <td style="background-color: #00bfff;">SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P86E 1E</td> </tr> </table>	KPX+	P86E 1E to enable/disable the option	NAVIGATOR	P86E > enable/disable 1E	SMS*	P[MasterCode]E P[InstallerCode]E P86E 1E
KPX+	P86E 1E to enable/disable the option						
NAVIGATOR	P86E > enable/disable 1E						
SMS*	P[MasterCode]E P[InstallerCode]E P86E 1E						

COMMS P86E 3E	ENABLE REPORTING BY ARMOR IP						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT ON: ARMOR IP reporting enabled.</p> <p>RELATED OPTIONS P170E Phone No 1 for reporting P171E Phone No 2 for reporting P85E Polling Interval</p> <p>NOTES The panel can send alarm reports to a central station by ARMOR IP or CSV IP and to mobile phones by SMS.</p>	<p>Central station receiver setting: UDP, UNENCRYPTED.</p> <p>This option enables reporting to a central station in ARMOR IP format. Program central station IP Address at P170E, P171E</p> <table border="1" style="width: 100%;"> <tr> <td style="background-color: #ff00ff;">KPX+</td> <td>P86E 3E to enable/disable the option</td> </tr> <tr> <td style="background-color: #008000;">NAVIGATOR</td> <td>P86E > enable/disable 3E</td> </tr> <tr> <td style="background-color: #00bfff;">SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P86E 3 E</td> </tr> </table> <p>Reporting Message Format Table, Page 7</p>	KPX+	P86E 3E to enable/disable the option	NAVIGATOR	P86E > enable/disable 3E	SMS*	P[MasterCode]E P[InstallerCode]E P86E 3 E
KPX+	P86E 3E to enable/disable the option						
NAVIGATOR	P86E > enable/disable 3E						
SMS*	P[MasterCode]E P[InstallerCode]E P86E 3 E						

COMMS P86E 5E	ENABLE REPORTING BY CSV IP						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT OFF: CSV IP reporting disabled.</p> <p>RELATED OPTIONS P170E Phone No 1 for reporting P171E Phone No 2 for reporting P85E Polling Interval</p> <p>NOTES The panel can send alarm reports to a central station by ARMOR IP or CSV IP and to mobile phones by SMS.</p>	<p>Central station receiver setting: TCP UNENCRYPTED</p> <p>This option enables reporting to a central station in CSV IP format. Program central station IP Address at P170E, P171E</p> <table border="1" style="width: 100%;"> <tr> <td style="background-color: #ff00ff;">KPX+</td> <td>P86E 5E to enable/disable the option</td> </tr> <tr> <td style="background-color: #008000;">NAVIGATOR</td> <td>P86E > enable/disable 5E</td> </tr> <tr> <td style="background-color: #00bfff;">SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P86E 5 E</td> </tr> </table> <p>Reporting Message Format Table, Page 7</p> <p>CSV IP has NAME and PASSWORD fields which are empty by default. To change them, SMS the changes to the DPlus: T[MasterCode]E,[InstallerCode]E,[CSVNAME],[CSVNEWNAME],[CSVVPW],[CSVNEWPW] The changes must match what the central station expects to receive. To default NAME and PASSWORD: T[MasterCode]E,[InstallerCode]E,[CSVNAME],[CSVVPW].</p> <p>CSV Message Format With name and password the message format is: CSVNEWNAME, CSVNEWPW,client account,cid message</p> <p>Without name and password the message format is: ,client account,cid message</p>	KPX+	P86E 5E to enable/disable the option	NAVIGATOR	P86E > enable/disable 5E	SMS*	P[MasterCode]E P[InstallerCode]E P86E 5 E
KPX+	P86E 5E to enable/disable the option						
NAVIGATOR	P86E > enable/disable 5E						
SMS*	P[MasterCode]E P[InstallerCode]E P86E 5 E						

- Options relating to SMS reporting in blue
- Options relating to CENTRAL STATION reporting in green

Option No.	Description	Default	
P87E	1E	Split Reporting on Primary/Secondary numbers	OFF
	2E	[not used]	OFF
	3E	Enable reporting by SMS	ON
	4E	4 Reporting attempts	ON

COMMS P87E 1E	SPLIT REPORTING ON PRIMARY/SECONDARY PHONE NUMBERS						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT OFF: Split Reporting</p> <p>RELATED OPTIONS P87E 4E Number of Reporting attempts.</p>	<p>This option selects the order in which reports are sent via Phone No. 1 & 2.</p> <p>Option OFF: Split Dial. Report via Phone No.1 for half of the call attempts. If unsuccessful, send the last half of call attempts via Phone No.2.</p> <p>Option ON: Alternate Dial. Report via Phone No.1 on the first attempt. If no answer use Phone No.2, continue alternating until successful.</p> <p>If IP reporting has been selected in P86E then the reporting channel can be split using this option.</p> <table border="1" style="margin-top: 20px;"> <tr> <td style="background-color: #ff00ff;">KPX+</td> <td>P87E 1E to enable/disable the option</td> </tr> <tr> <td style="background-color: #00ff00;">NAVIGATOR</td> <td>P87E > enable/disable 1E</td> </tr> <tr> <td style="background-color: #00bfff;">SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P87E 1E</td> </tr> </table>	KPX+	P87E 1E to enable/disable the option	NAVIGATOR	P87E > enable/disable 1E	SMS*	P[MasterCode]E P[InstallerCode]E P87E 1E
KPX+	P87E 1E to enable/disable the option						
NAVIGATOR	P87E > enable/disable 1E						
SMS*	P[MasterCode]E P[InstallerCode]E P87E 1E						
COMMS P87E 3E	ENABLE REPORTING BY SMS						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT On: SMS reporting enabled.</p> <p>RELATED OPTIONS P180E to P189E Phone numbers for SMS reporting P86E 2E Enable reporting by Contact ID</p> <p>NOTES</p> <ul style="list-style-type: none"> This option only affects outgoing reporting by SMS so if the option is disabled the panel will still reply to incoming SMS commands. 	<p>This option enables reporting to mobile phones by SMS messaging via SMS phone numbers programmed at P180E to P189E</p> <table border="1" style="margin-top: 20px;"> <tr> <td style="background-color: #ff00ff;">KPX+</td> <td>P87E 3E to enable/disable the option</td> </tr> <tr> <td style="background-color: #00ff00;">NAVIGATOR</td> <td>P87E > enable/disable 3E</td> </tr> <tr> <td style="background-color: #00bfff;">SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P87E 3 E</td> </tr> </table>	KPX+	P87E 3E to enable/disable the option	NAVIGATOR	P87E > enable/disable 3E	SMS*	P[MasterCode]E P[InstallerCode]E P87E 3 E
KPX+	P87E 3E to enable/disable the option						
NAVIGATOR	P87E > enable/disable 3E						
SMS*	P[MasterCode]E P[InstallerCode]E P87E 3 E						
COMMS P87E 4E	NUMBER OF REPORTING ATTEMPTS						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT ON: 4 dialling attempts.</p> <p>NOTES</p> <ul style="list-style-type: none"> Sets the total number of reporting attempts. E.g. If 4 attempts is selected, this means 2 attempts per reporting number. <p>RELATED OPTIONS P87E 1E Split Reporting</p>	<p>Sets the number of reporting attempts when sending reports to a Central Station.</p> <p>OFF: 10 attempts maximum then 5min sleep, then 10 more re-tries if unsuccessful.</p> <p>ON: 4 attempts maximum then 5min sleep, then 4 more re-tries if unsuccessful.</p> <p>If all attempts fail the communicator waits for the next trigger event. The previously unsuccessful report will be included in the new message.</p> <p>When sending Test Calls, the time between reporting attempts increases to 60 minutes for the second round of reports. If a Test Call is unsuccessful after the first round of calls are made, another call is made after 5 minutes. If this call fails then subsequent calls are made every hour (up to the maximum number of calls).</p> <table border="1" style="margin-top: 20px;"> <tr> <td style="background-color: #ff00ff;">KPX+</td> <td>P87E 4E to enable/disable the option</td> </tr> <tr> <td style="background-color: #00ff00;">NAVIGATOR</td> <td>P87E > enable/disable 4E</td> </tr> <tr> <td style="background-color: #00bfff;">SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P87E 4E</td> </tr> </table>	KPX+	P87E 4E to enable/disable the option	NAVIGATOR	P87E > enable/disable 4E	SMS*	P[MasterCode]E P[InstallerCode]E P87E 4E
KPX+	P87E 4E to enable/disable the option						
NAVIGATOR	P87E > enable/disable 4E						
SMS*	P[MasterCode]E P[InstallerCode]E P87E 4E						

- Options relating to SMS reporting in blue
- Options relating to CENTRAL STATION reporting in green

PROGRAMMING

Option No.	Description	Default	
P88E	1E	Send AREA 1 Open/Close reports to Central Station	OFF
	2E	Send AREA 2 Open/Close reports to Central Station	OFF
	3E	Siren Chirp on Kiss-off	OFF
	4E	Flash Strobe on Kiss-off	OFF
	5E	Forced Opening report	ON
	6E	Delayed Closing Reports	OFF
	7E	Manual Exclude Reports	ON
	8E	Auto Exclude Reports	ON
P194E	1E	Send AREA 1 Open/Close reports by SMS	OFF
SMS	2E	Send AREA 2 Open/Close reports by SMS	OFF

COMMS P88E 1E, P194E 1E	AREA1 OPEN/CLOSE REPORTS						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT OFF: No AREA1 Open/Close reports to Central Station or by SMS.</p>	<p>Enables AREA1 Open/Close reports when reporting to a Central Station or by SMS with separate settings for each format.</p> <p>The User ID of the code used is included in the report.</p> <p>Keyswitch arming is identified as User 57. Shortcut arming is identified as User 58.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #e91e63; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">P88E 1E to enable/disable Area 1 Open/Close reports to Central Stn P194E 1E to enable/disable Area 1 Open/Close reports by SMS</td> </tr> <tr> <td style="background-color: #4CAF50; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">PxxE > enable/disable 1E</td> </tr> <tr> <td style="background-color: #2196F3; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E PxxE 1E</td> </tr> </table>	KPX+	P88E 1E to enable/disable Area 1 Open/Close reports to Central Stn P194E 1E to enable/disable Area 1 Open/Close reports by SMS	NAVIGATOR	PxxE > enable/disable 1E	SMS*	P[MasterCode]E P[InstallerCode]E PxxE 1E
KPX+	P88E 1E to enable/disable Area 1 Open/Close reports to Central Stn P194E 1E to enable/disable Area 1 Open/Close reports by SMS						
NAVIGATOR	PxxE > enable/disable 1E						
SMS*	P[MasterCode]E P[InstallerCode]E PxxE 1E						
COMMS P88E 2E, P194E 2E	AREA2 OPEN/CLOSE REPORTS						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT OFF: No AREA2 Open/Close reports to Central Station or by SMS.</p>	<p>Enables AREA2 Open/Close reports when reporting to a Central Station or by SMS with separate settings for each format.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #e91e63; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">P88E 2E to enable/disable Area 2 Open/Close reports to Central Stn P194E 2E to enable/disable Area 2 Open/Close reports by SMS</td> </tr> <tr> <td style="background-color: #4CAF50; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">PxxE > enable/disable 2E</td> </tr> <tr> <td style="background-color: #2196F3; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E PxxE 2E</td> </tr> </table>	KPX+	P88E 2E to enable/disable Area 2 Open/Close reports to Central Stn P194E 2E to enable/disable Area 2 Open/Close reports by SMS	NAVIGATOR	PxxE > enable/disable 2E	SMS*	P[MasterCode]E P[InstallerCode]E PxxE 2E
KPX+	P88E 2E to enable/disable Area 2 Open/Close reports to Central Stn P194E 2E to enable/disable Area 2 Open/Close reports by SMS						
NAVIGATOR	PxxE > enable/disable 2E						
SMS*	P[MasterCode]E P[InstallerCode]E PxxE 2E						
COMMS P88E 3E	SIREN CHIRP ON KISS-OFF						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT OFF: No Siren Chirp on kiss-off.</p> <p>RELATED OPTIONS P88E 4E Flash Strobe on kiss-off.</p>	<p>Enables a two second Siren burst on a successful Closing report. This is used to give audible indication that the communicator has successfully sent the Arming report to the central station.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #e91e63; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">P88E 3E to enable/disable the option</td> </tr> <tr> <td style="background-color: #4CAF50; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">P88E > enable/disable 3E</td> </tr> <tr> <td style="background-color: #2196F3; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E P88E 3E</td> </tr> </table>	KPX+	P88E 3E to enable/disable the option	NAVIGATOR	P88E > enable/disable 3E	SMS*	P[MasterCode]E P[InstallerCode]E P88E 3E
KPX+	P88E 3E to enable/disable the option						
NAVIGATOR	P88E > enable/disable 3E						
SMS*	P[MasterCode]E P[InstallerCode]E P88E 3E						
COMMS P88E 4E	STROBE FLASH ON KISS-OFF						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT OFF: No Strobe Flash on kiss-off.</p> <p>RELATED OPTIONS P88E 3E Siren Chirp on kiss-off.</p>	<p>Enables a two second Strobe burst on a successful Closing report. This is used to give visual indication that the communicator has successfully sent the Arming report to the central station.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #e91e63; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">P88E 4E to enable/disable the option</td> </tr> <tr> <td style="background-color: #4CAF50; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">P88E > enable/disable 4E</td> </tr> <tr> <td style="background-color: #2196F3; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E P88E 4E</td> </tr> </table>	KPX+	P88E 4E to enable/disable the option	NAVIGATOR	P88E > enable/disable 4E	SMS*	P[MasterCode]E P[InstallerCode]E P88E 4E
KPX+	P88E 4E to enable/disable the option						
NAVIGATOR	P88E > enable/disable 4E						
SMS*	P[MasterCode]E P[InstallerCode]E P88E 4E						

- Options relating to SMS reporting in blue
- Options relating to CENTRAL STATION reporting in green

COMMS P88E 5E	FORCED OPENING REPORT						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT ON: Forced opening Reports enabled</p> <p>NOTES This option is used to indicate to the Central Station that an alarm has been reset by a valid user. Usually used in cases where Open/Close reports are normally selected OFF.</p>	<p>If Forced Opening Report is enabled – when an alarm has been reset by a valid User Code (or Radio Key), the communicator will send an Opening report along with a restoral report for the zone or miscellaneous input which caused the alarm.</p> <table border="1"> <tr> <td style="background-color: #ff00ff;">KPX+</td> <td>P88E 5E to enable/disable the option</td> </tr> <tr> <td style="background-color: #00ff00;">NAVIGATOR</td> <td>P88E > enable/disable 5E</td> </tr> <tr> <td style="background-color: #00bfff;">SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P88E 5E</td> </tr> </table>	KPX+	P88E 5E to enable/disable the option	NAVIGATOR	P88E > enable/disable 5E	SMS*	P[MasterCode]E P[InstallerCode]E P88E 5E
KPX+	P88E 5E to enable/disable the option						
NAVIGATOR	P88E > enable/disable 5E						
SMS*	P[MasterCode]E P[InstallerCode]E P88E 5E						
COMMS P88E 6E	DELAY CLOSING REPORT						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT OFF: Closing Reports sent on Arming.</p> <p>RELATED OPTIONS P88E 1E AREA1 Open/Close reports. P88E 2E AREA2 Open/Close reports.</p>	<p>If enabled, Closing reports (if enabled) are sent at the end of Exit Time. Normally, Closing reports are sent immediately on arming.</p> <table border="1"> <tr> <td style="background-color: #ff00ff;">KPX+</td> <td>P88E 6E to enable/disable the option</td> </tr> <tr> <td style="background-color: #00ff00;">NAVIGATOR</td> <td>P88E > enable/disable 6E</td> </tr> <tr> <td style="background-color: #00bfff;">SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P88E 6E</td> </tr> </table>	KPX+	P88E 6E to enable/disable the option	NAVIGATOR	P88E > enable/disable 6E	SMS*	P[MasterCode]E P[InstallerCode]E P88E 6E
KPX+	P88E 6E to enable/disable the option						
NAVIGATOR	P88E > enable/disable 6E						
SMS*	P[MasterCode]E P[InstallerCode]E P88E 6E						
COMMS P88E 7E	MANUAL EXCLUDE REPORT						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT ON: Manual Exclude Reports enabled.</p> <p>RELATED OPTIONS P88E 8E Auto Exclude Reports.</p>	<p>Enables Manual Exclude Reports for zones. Exclude Reports for 24hr zones are sent on exiting EXCLUDE mode.</p> <table border="1"> <tr> <td style="background-color: #ff00ff;">KPX+</td> <td>P88E 7E to enable/disable the option</td> </tr> <tr> <td style="background-color: #00ff00;">NAVIGATOR</td> <td>P88E > enable/disable 7E</td> </tr> <tr> <td style="background-color: #00bfff;">SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P88E 7E</td> </tr> </table>	KPX+	P88E 7E to enable/disable the option	NAVIGATOR	P88E > enable/disable 7E	SMS*	P[MasterCode]E P[InstallerCode]E P88E 7E
KPX+	P88E 7E to enable/disable the option						
NAVIGATOR	P88E > enable/disable 7E						
SMS*	P[MasterCode]E P[InstallerCode]E P88E 7E						
COMMS P88E 8E	AUTO EXCLUDE REPORT						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT ON: Auto Exclude Reports enabled.</p> <p>RELATED OPTIONS P88E 7E Manual Exclude Reports.</p>	<p>Enables Auto Exclude Reports for Zones. Zones not sealed on arming will be reported as Auto Excluded.</p> <table border="1"> <tr> <td style="background-color: #ff00ff;">KPX+</td> <td>P88E 8E to enable/disable the option</td> </tr> <tr> <td style="background-color: #00ff00;">NAVIGATOR</td> <td>P88E > enable/disable 8E</td> </tr> <tr> <td style="background-color: #00bfff;">SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P88E 8E</td> </tr> </table>	KPX+	P88E 8E to enable/disable the option	NAVIGATOR	P88E > enable/disable 8E	SMS*	P[MasterCode]E P[InstallerCode]E P88E 8E
KPX+	P88E 8E to enable/disable the option						
NAVIGATOR	P88E > enable/disable 8E						
SMS*	P[MasterCode]E P[InstallerCode]E P88E 8E						

Options relating to SMS reporting in blue
 Options relating to CENTRAL STATION reporting in green

PROGRAMMING

Option No.	Description	Default	
P89E	1E	ENABLE TEST CALLS	ON
	2E	Mains Report Delay (1 hour)	ON
	3E	Enable SMS Test Report	OFF
	4E	Swinger shutdown	ON
	5E	Line Fault Monitor	ON
	6E	Master Code Clears Dial Attempts	OFF

COMMS P89E 1E	ENABLE TEST CALLS BY IP REPORTING						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT ON: Test Calls enabled.</p> <p>RELATED OPTIONS P83E Test Call Interval. P84E Time before next Test call. P87E 4E Number of attempts.</p>	<p>Enables the reporting of test calls to the Central Station.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #e91e63; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">P89E 1E to enable/disable the option</td> </tr> <tr> <td style="background-color: #4CAF50; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">P89E > enable/disable 1E</td> </tr> <tr> <td style="background-color: #2196F3; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E P89E 1E</td> </tr> </table>	KPX+	P89E 1E to enable/disable the option	NAVIGATOR	P89E > enable/disable 1E	SMS*	P[MasterCode]E P[InstallerCode]E P89E 1E
KPX+	P89E 1E to enable/disable the option						
NAVIGATOR	P89E > enable/disable 1E						
SMS*	P[MasterCode]E P[InstallerCode]E P89E 1E						
COMMS P89E 2E	MAINS REPORT DELAY						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT ON: Mains Fail report is delayed.</p>	<p>Allows Mains Fail reports to be delayed by one hour if the mains power has been off continuously for that time. This avoids mains fail reports being sent to the Central Station in the event of brief power failures.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #e91e63; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">P89E 2E to enable/disable the option</td> </tr> <tr> <td style="background-color: #4CAF50; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">P89E > enable/disable 2E</td> </tr> <tr> <td style="background-color: #2196F3; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E P89E 2E</td> </tr> </table>	KPX+	P89E 2E to enable/disable the option	NAVIGATOR	P89E > enable/disable 2E	SMS*	P[MasterCode]E P[InstallerCode]E P89E 2E
KPX+	P89E 2E to enable/disable the option						
NAVIGATOR	P89E > enable/disable 2E						
SMS*	P[MasterCode]E P[InstallerCode]E P89E 2E						
COMMS P89E 3E	ENABLE SMS TEST REPORT						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT OFF</p>	<p>Enable Test Reports to be sent by SMS.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #e91e63; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">P89E 3E to enable/disable the option</td> </tr> <tr> <td style="background-color: #4CAF50; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">P89E > enable/disable 3E</td> </tr> <tr> <td style="background-color: #2196F3; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E P89E 3E to toggle the option</td> </tr> </table>	KPX+	P89E 3E to enable/disable the option	NAVIGATOR	P89E > enable/disable 3E	SMS*	P[MasterCode]E P[InstallerCode]E P89E 3E to toggle the option
KPX+	P89E 3E to enable/disable the option						
NAVIGATOR	P89E > enable/disable 3E						
SMS*	P[MasterCode]E P[InstallerCode]E P89E 3E to toggle the option						
COMMS P89E 4E	SWINGER SHUTDOWN						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT ON: Swinger Shutdown enabled.</p> <p>NOTES This option only applies to zones enabled to Report Multiple Zone Alarms.</p> <p>RELATED OPTIONS P78E Report Multiple Zone Alarms.</p>	<p>Limits the number of calls made by a zone alarm in any one armed period. Alarm reports are normally limited to 15 multiple reports per zone. When Swinger Shutdown is enabled, multiple reports are reduced to 3 multiple reports per zone.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #e91e63; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">P89E 4E to enable/disable the option</td> </tr> <tr> <td style="background-color: #4CAF50; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">P89E > enable/disable 4E</td> </tr> <tr> <td style="background-color: #2196F3; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E P89E 4E</td> </tr> </table>	KPX+	P89E 4E to enable/disable the option	NAVIGATOR	P89E > enable/disable 4E	SMS*	P[MasterCode]E P[InstallerCode]E P89E 4E
KPX+	P89E 4E to enable/disable the option						
NAVIGATOR	P89E > enable/disable 4E						
SMS*	P[MasterCode]E P[InstallerCode]E P89E 4E						
COMMS P89E 5E	CELLULAR FAULT MONITOR						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT OFF: No Cellular Fault Monitor.</p> <p>RELATED OPTIONS P122E 5E Cellular Fault to AUX2</p>	<p>When this option is enabled the keypad/s will display cellular signal errors. If the cellular signal is low or absent KPX keypad will flash CELL 00, Navigator displays Cellular Fault.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #e91e63; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">P89E 5E to enable/disable the option</td> </tr> <tr> <td style="background-color: #4CAF50; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">P89E > enable/disable 5E</td> </tr> <tr> <td style="background-color: #2196F3; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E P89E 5E</td> </tr> </table>	KPX+	P89E 5E to enable/disable the option	NAVIGATOR	P89E > enable/disable 5E	SMS*	P[MasterCode]E P[InstallerCode]E P89E 5E
KPX+	P89E 5E to enable/disable the option						
NAVIGATOR	P89E > enable/disable 5E						
SMS*	P[MasterCode]E P[InstallerCode]E P89E 5E						

- Options relating to SMS reporting in blue
- Options relating to CENTRAL STATION reporting in green

COMMS P89E 6E	MASTER CODE CLEARS DIAL ATTEMPTS
PROGRAM MODE LEVEL Installer FACTORY DEFAULT OFF	When this option is enabled, any keypad or SMS command using the master Code (User code 1) resets the re-dialling attempts to zero. The effect is to restart the dialling queue and send any queued communicator reports immediately.
KPX+	P89E 6E to enable/disable the option
NAVIGATOR	P89E > enable/disable 6E
SMS*	P[MasterCode]E P[InstallerCode]E P89E 6E

- Options relating to SMS reporting in blue
- Options relating to CENTRAL STATION reporting in green

PROGRAMMING

Option No.	Description	Default	
P92E	5E	Report Remote Panel Tamper ALARM by IP	ON
	13E	Report Remote Panel Low Battery ALARM by IP	ON
	14E	Report Remote Panel Mains Fail ALARM by IP	ON
	15E	Report Remote Panel Comms Fail ALARM by IP	ON
P93E	5E	Report Remote Panel Tamper RESTORAL by IP	ON
	13E	Report Remote Panel Low Battery RESTORAL by IP	ON
	14E	Report Remote Panel Mains Fail RESTORAL by IP	ON
	15E	Report Remote Panel Comms Fail RESTORAL by IP	ON

<div style="display: flex; justify-content: space-between;"> COMMS P92E </div> <div style="display: flex; justify-content: space-between;"> COMMS P93E </div>	<p>REMOTE PANEL - REPORT MISCELLANEOUS ALARMS BY IP</p> <p>REMOTE PANEL - REPORT MISCELLANEOUS RESTORALS BY IP</p>						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT All ON.</p> <p>RELATED OPTIONS P196E, P197E Remote Panel - Report Miscellaneous Alarms and Restorals by SMS</p>	<p>These options select which Miscellaneous alarms on the optional DPlus-R16 Remote Expander will send Miscellaneous Alarm and Restoral reports by IP reporting to the Central Station.</p> <p>HINT: If you're powering the DPlus-R16 Remote Expander via the 4-wire bus and not using a local plug pack and backup battery you should disable P92E 13E and 14E</p> <table border="1" style="width: 100%; margin-top: 10px;"> <tr> <td style="background-color: #ff00ff; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">PxxE [Option number] E to enable/disable the option</td> </tr> <tr> <td style="background-color: #00ff00; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">PxxE [Option number] E to enable/disable the option</td> </tr> <tr> <td style="background-color: #00bfff; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E PxxE [Option number] E</td> </tr> </table> <p style="margin-top: 10px;">xx = See the table for program option numbers</p>	KPX+	PxxE [Option number] E to enable/disable the option	NAVIGATOR	PxxE [Option number] E to enable/disable the option	SMS*	P[MasterCode]E P[InstallerCode]E PxxE [Option number] E
KPX+	PxxE [Option number] E to enable/disable the option						
NAVIGATOR	PxxE [Option number] E to enable/disable the option						
SMS*	P[MasterCode]E P[InstallerCode]E PxxE [Option number] E						

Option No.	Description	Default	
P196E	5E	Report Remote Panel Tamper ALARM by SMS	OFF
	SMS 13E	Report Remote Panel Low Battery ALARM by SMS	OFF
	14E	Report Remote Panel Mains Fail ALARM by SMS	OFF
	15E	Report Remote Panel Comms Fail ALARM by SMS	OFF
P197E	5E	Report Remote Panel Tamper RESTORAL by SMS	OFF
	SMS 13E	Report Remote Panel Low Battery RESTORAL by SMS	OFF
	14E	Report Remote Panel Mains Fail RESTORAL by SMS	OFF
	15E	Report Remote Panel Comms Fail RESTORAL by SMS	OFF

<div style="display: flex; justify-content: space-between;"> COMMS P196E </div> <div style="display: flex; justify-content: space-between;"> COMMS P197E </div>	<p>REMOTE PANEL - REPORT MISCELLANEOUS ALARMS BY SMS</p> <p>REMOTE PANEL - REPORT MISCELLANEOUS RESTORALS BY SMS</p>						
<p>PROGRAM MODE LEVEL Installer</p> <p>FACTORY DEFAULT All OFF.</p> <p>RELATED OPTIONS P92E, P93E Remote Panel - Report Miscellaneous Alarms and Restorals by IP</p>	<p>These options select which Miscellaneous alarms on the optional DPlus-R16 Remote Expander will send Miscellaneous Alarm and Restoral reports by SMS to the Central Station.</p> <table border="1" style="width: 100%; margin-top: 10px;"> <tr> <td style="background-color: #ff00ff; color: white; padding: 2px;">KPX+</td> <td style="padding: 2px;">PxxE [Option number] E to enable/disable the option</td> </tr> <tr> <td style="background-color: #00ff00; color: white; padding: 2px;">NAVIGATOR</td> <td style="padding: 2px;">PxxE [Option number] E to enable/disable the option</td> </tr> <tr> <td style="background-color: #00bfff; color: white; padding: 2px;">SMS*</td> <td style="padding: 2px;">P[MasterCode]E P[InstallerCode]E PxxE [Option number] E</td> </tr> </table> <p style="margin-top: 10px;">xx = See the table for program option numbers</p>	KPX+	PxxE [Option number] E to enable/disable the option	NAVIGATOR	PxxE [Option number] E to enable/disable the option	SMS*	P[MasterCode]E P[InstallerCode]E PxxE [Option number] E
KPX+	PxxE [Option number] E to enable/disable the option						
NAVIGATOR	PxxE [Option number] E to enable/disable the option						
SMS*	P[MasterCode]E P[InstallerCode]E PxxE [Option number] E						

- Options relating to SMS reporting in blue
- Options relating to CENTRAL STATION reporting in green

Option No.	Description	Default
P195E	Reports to be included in the SMS REQUEST STATUS report:	
SMS 1E	Zones unsealed	OFF
2E	Zones in alarm	OFF
3E	Zones excluded	OFF
4E	Zones Supervision fail	OFF
5E	Zones doors open	OFF
6E	Zones detector low battery	OFF
7E	Zones detector tamper	OFF
8E	Miscellaneous alarms	ON
9E	Arming status	OFF
10E	Outputs on	OFF
11E	Model and version	OFF
12E	Aux Outputs on	OFF

COMMS	P195E 1E~12E	REPORTS TO BE INCLUDED IN THE SMS REQUEST STATUS REPORT						
PROGRAM MODE LEVEL Installer FACTORY DEFAULT 8E ON See the SMS Request Status command, page 9		Enables the reporting of various reports to be included in the REQUEST STATUS via SMS reports.						
		<table border="1"> <tr> <td style="background-color: #FF00FF; color: white;">KPX+</td> <td>P195E xE to enable/disable an option</td> </tr> <tr> <td style="background-color: #00FF00; color: white;">NAVIGATOR</td> <td>P89E > enable/disable xE</td> </tr> <tr> <td style="background-color: #0070C0; color: white;">SMS*</td> <td>P[MasterCode]E P[InstallerCode]E P125E xE</td> </tr> </table>	KPX+	P195E xE to enable/disable an option	NAVIGATOR	P89E > enable/disable xE	SMS*	P[MasterCode]E P[InstallerCode]E P125E xE
KPX+	P195E xE to enable/disable an option							
NAVIGATOR	P89E > enable/disable xE							
SMS*	P[MasterCode]E P[InstallerCode]E P125E xE							

- Options relating to SMS reporting in blue
- Options relating to CENTRAL STATION reporting in green



Summary of all program options for Panel & Comms. Also refer to the separate DPlus Installer Manual

USER CODE OPTIONS TABLE

KPX+ EXCLUDE+E toggles Extra Options mode. NAVIGATOR Press Extra Code Options. (Installer Program mode only) See the Installation manual

USER CODE U	OPTION NO.	KEYPAD PIN	1E AREA 1 Code	2E AREA 2 Code	3E ARM ONLY	4E "CODE ONLY" ARM (REX CODE)	5E RADIO Code	6E Reader 1 Code	7E Reader 2 Code	8E Reader 3 Code	9E Enable for AutoTime
1 (Master)	P201E	123	ON	ON							
2	P202E		ON								
3	P203E		ON								
4	P204E		ON								
5	P205E		ON								
6	P206E		ON								
7	P207E		ON								
8	P208E		ON								
9	P209E		ON								
10	P210E		ON								
11	P211E		ON								
12	P212E		ON								
13	P213E		ON								
14	P214E		ON								
15	P215E		ON								
16	P216E		ON								
17	P217E		ON								
18	P218E		ON								
19	P219E		ON								
20	P220E		ON								
21	P221E		ON								
22	P222E		ON								
23	P223E		ON								
24	P224E		ON								
25	P225E		ON								
26	P226E		ON								
27	P227E		ON								
28	P228E		ON								
29	P229E		ON								
30	P230E		ON								
31	P231E		ON								
32	P232E		ON								
33	P233E		ON								
34	P234E		ON								
35	P235E		ON								
36	P236E		ON								
37	P237E		ON								
38	P238E		ON								
39	P239E		ON								
40	P240E		ON								
41	P241E		ON								
42	P242E		ON								
43	P243E		ON								
44	P244E		ON								
45	P245E		ON								
46	P246E		ON								
47	P247E		ON								
48	P248E		ON								
49	P249E		ON								
50	P250E		ON								
51	P251E		ON								
52	P252E		ON								
53	P253E		ON								
54	P254E		ON								
55	P255E		ON								
56	P256E		ON								

Provided for reference. Refer to the separate DPLUS INSTALLER MANUAL for details.

OPTION	DESCRIPTION	DEFAULT	PAGE
P01E	OPTIONS FOR OPTIONAL R16 REMOTE EXPANDER		
5E	Remote Panel Tamper		See INSTALLATION manual
13E	Remote Panel Low Battery	OFF	
14E	Remote Panel Mains Fail	OFF	
15E	Remote Panel Comms Fail	OFF	
P02E	Remote Comms Key	1234	
P03E	Remote Comms Count - Rolling Code	5678	
P26E U	ENTRY DELAY Time 1	20 sec	See INSTALLATION manual
P27E U	Entry Delay Time 2	6=60 sec	
P28E U	EXIT DELAY Time	60 sec	
P29E	SIREN RESET Time	5 min	
P30E	Normal Zone Sensitivity	all zones	See INSTALLATION manual
P31E-36E	Vibration Sensitivity, High-Low	none	
P37E	Long Response Zones - 1 second	none	
P38E	Long Response Zones - 3 seconds	none	
P39E	Double Trigger zones	none	See INSTALLATION manual
P40E	Instant zones	zones 3+	
P41E	ENTRY DELAY 1 zones	Zone 1	
P42E	HANDOVER zones	Zone 2	
P43E	Entry Delay 2 zones	none	
P44E	Lockout zones (RESET output)	All zones	
P45E	AREA 1 zones	All zones	
P46E	AREA 2 zones	none	
P51E	HOME MODE zones	none	
* See the Installation manual for detailed information on Area operation, Home mode & Temporary Day Zones			
P52E	24hr zones	none	
P53E	Day Mode zones	none	
P54E	RESET output zones	All zones	
P55E	STROBE zones	All zones	
P56E	Keypad Sonalert zones	All zones	
P57E	SIREN zones	All zones	
P58E	Aux1 / Aux3 zones	none	
P59E	Aux2 / Aux4 zones	none	
P60E	1E Entry Beeps	ON	See INSTALLATION manual
2E	Keyswitch Home/Disarm	OFF	
3E	Keyswitch Arm/Disarm	OFF	
4E	Tamper Siren lockout	ON	
5E	Duress to RESET output	OFF	
6E	Auto Exclude zones	ON	
7E	Auto keypad display off	OFF	
8E	Delayed Aux3, Aux4 outputs	OFF	

U Options marked "u" can be programmed in User Program Mode
All options can be programmed in Installer Program Mode

ORANGE Panel programming options - ORANGE (See Installer Manual)
SMS SMS related options - BLUE
CS CENTRAL STATION reporting options - GREEN

OPTION	DESCRIPTION	DEFAULT	PAGE
P61E	1E Tamper to RESET output	ON	See INSTALLATION manual
2E	Tamper to STROBE output	ON	
3E	Tamper to Keypad Sonalert	ON	
4E	Tamper to SIREN output	ON	
5E	Keypad Panic to RESET output	ON	
6E	Keypad Panic to STROBE output	ON	
7E	Keypad Panic to Sonalert	ON	
8E	Keypad Panic to SIREN output	ON	
P62E	1E Shortcut Memory display	ON	See INSTALLATION manual
2E	Shortcut Zone Exclude	ON	
3E	Shortcut Home Mode	ON	
4E	Shortcut Keypad Panic	OFF	
5E	Shortcut Area1 Arming	ON	
6E	Shortcut Area2 Arming	OFF	
7E	Brief warning on Auto Exclude	ON	
8E	Exit Time x10	OFF	
P63E	1E Home Mode alarms to RESET output	ON	See INSTALLATION manual
2E	Home Mode alarms to STROBE	ON	
3E	Home Mode alarms to SONALERT	ON	
4E	Home Mode alarms to SIREN	OFF	
5E	Day Mode to RESET output	OFF	
6E	Day Mode to STROBE	OFF	
7E	Day Mode KP SONALERT (Chime KPX)	ON	
8E	Day Mode to SIREN	OFF	
P64E	1E Brief Home Mode Alarm	OFF	See INSTALLATION manual
2E	Brief Day Alarm	OFF	
3E	Home zones Entry Delay2	ON	
4E	Radio Key SIREN CHIRPS	OFF	
5E	[not used]	OFF	
6E	Strobe Flash on Home arm by radio	OFF	
7E	[not used]	OFF	
8E	[not used]	OFF	
P65E	Supervised zones	NONE	See INSTALLATION manual
P66E	1E Zone Supervision alarm to RESET o/p	OFF	
2E	Zone Supervision alarm to STROBE	OFF	
3E	Zone Supervision alarm to SONALERT	OFF	
4E	Zone Supervision alarm to SIREN	OFF	
5E	Enable WIRED ZONE supervision	OFF	
6E	[not used]	OFF	
7E	Zone Supervision speedup x 6	OFF	
8E	Zone Supervision speedup x10	OFF	
P67E	Zone Supervision Time	24 (hours)	See INSTALLATION manual
P68E	1E Double Press Radio Panic	OFF	
2E	Auto Re-Arm	OFF	
3E	Long Radio Message	ON	
4E	"OK/READY" Display	OFF	
5E	Radio Arming "unsealed" warning	OFF	
6E	24hr Zone Fire Siren sound	OFF	
7E	Single Shot strobe on Arm by R/Key	OFF	
8E	Quiet chirps on radio Arm/Disarm	OFF	



PROGRAMMING OPTIONS TABLE

Summary of all program options for Panel & Comms.
Also refer to the separate **DPlus Installer Manual**

OPTION	DESCRIPTION	DEFAULT	PAGE
P69E	1E	Flash strobe on medical alarm	OFF
	2E	[not used]	OFF
	3E	Quiet Home Mode Siren	OFF
	4E	6 beeps on Arming	OFF
	5E	Home arm by radio key ON/OFF	OFF
	6E	Disable Mains Fail Alarm	OFF
	7E	Exit BEEPS - Full Arm	OFF
	8E	Exit BEEPS - Home Mode	OFF

See INSTALLATION manual

CS Central Station Reporting Options			Page
P170E	Central Station Reporting Number1	none	12
P171E	Central Station Reporting Number2	none	
P172E	Central Station Test Call Number	none	
P72E	Account No. 1 for Central Station rpt	0000	13
P73E	Account No. 2 for Central Station rpt	0000	
P74E	REPORT ZONE ALARMS	All zones	15
P75E	1E	Report DURESS alarms	OFF
	2E	Report MEDICAL alarms	OFF
	3E	Report keypad & Keyswitch PANIC	ON
	4E	Report FIRE alarms	OFF
	5E	Report PANEL TAMPER alarms	ON
	6E	Report EXTERNAL TAMPER alarms	ON
	7E	Report KEYPAD TAMPER alarms	ON
	8E	Report EXIT FROM INSTALLER mode	OFF
	9E	Report RADIO TAMPER	ON
	10E	Report RADIO PANIC by User ID	ON
	11E	Report RADIO Low Battery by device	OFF
	12E	Report ZONE SUPERVISION FAIL	OFF
	13E	Report PANEL LOW BATTERY	ON
	14E	Report MAINS FAIL	ON
P76E	Report Zone Restorals	All on	15
P77E	Report Misc. Restorals	All on	16
P78E	Report Multiple Zone alarms	NONE	15
P79E	Account No.2 zones	NONE	
P82E	1E	Send RESTORAL report immediately	OFF
	2E	Send RESTORAL after siren time	OFF
	3E	Send RESTORAL after Disarm & seal	OFF
	4E	Send RESTORAL after Disarm always	ON
P83E	TEST CALL Interval	84 (168hrs)	17
P84E	Time before NEXT TEST CALL		
P85E	Polling Interval	8=OFF	
P86E	1E	Disable Communicator	OFF
	3E	Enable reporting by ARMOR IP	ON
	5E	Enable reporting by CSV IP	OFF
P87E*	1E	Split dial Primary/Secondary numbers	OFF
	2E	[not used]	OFF
SMS	3E	Enable reporting by SMS	ON
	4E	4 Dialling attempts	ON

OPTION	DESCRIPTION	DEFAULT	PAGE
P88E	1E	Send AREA 1 Open/Close to Central Stn	OFF
	2E	Send AREA 2 Open/Close to Central Stn	OFF
		See P194E for Open/Close by SMS	
	3E	Siren Chirp on Kiss-off	OFF
	4E	Flash Strobe on Kiss-off	OFF
	5E	Forced Opening report	ON
	6E	Delayed Closing Reports	OFF
	7E	Manual Exclude Reports	ON
8E	Auto Exclude Reports	ON	

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P89E	1E	ENABLE TEST CALLS	ON
	2E	Mains Report Delay (1 hour)	ON
	3E	Enable SMS Test Report	OFF
	4E	Swinger shutdown	ON
	5E	Cellular Fault Monitor	ON
	6E	Master Code Clears Reprt Attempts	OFF

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The following options relate to reporting Central Station reporting. See P191E, P193E for Misc Alarm reporting options via SMS.

P92E	Report Misc. Remote Alarms by Armor IP/CSV IP		
	5E	Remote Panel Tamper	ON
	13E	Remote Panel Low Battery	ON
	14E	Remote Panel Mains Fail	ON
P93E	Report Misc. Remote Restorals by Armor IP/CSV IP		
	5E	Remote Panel Tamper	ON
	13E	Remote Panel Low Battery	ON
	14E	Remote Panel Mains Fail	ON
15E	Remote Panel Comms Fail	ON	

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P94E	"No Memory Warning" zones	none	
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P95E	CLEAR RADIO DEVICES		INSTALLATION manual
P96E	CLEAR MEMORY		
P97E	CLEAR PANEL OPTIONS (restore Factory Defaults)		
P98E	CLEAR User codes, Radio Keys, Access Cards		
P99E	Program the INSTALLER CODE	000000	

P117E	1E	Enable Output Expander	OFF	
	2E	Expander Output Format A, B	OFF	
	3E	Day Zone Follower	OFF	
	4E	Output Exclude	OFF	
	5E	Expander Output Format C, D	OFF	
	6E	User Code Toggle or Pulse	OFF	
P118E	Output Expander zones	none	See INSTALLATION manual	
P119E	Output Expander alarm zones	none		
P120E	1E	Latched keyswitch input		OFF
	2E	Home arm chirps by radio key		OFF
	3E	Radio Key AUX arms Home mode		OFF
	4E	Keyswitch DISARM ONLY		OFF
	5E	Keyswitch ARM ONLY		OFF
	6E	Smart Beeps (Brief Home & Day modes)		OFF
	7E	Entry Delay Extender		OFF
	8E	Area2 Disarm by Keyswitch Allowed		OFF

Panel programming options - ORANGE (See Installer Manual)

SMS SMS related options - BLUE

CS CENTRAL STATION reporting options - GREEN

OPTION	DESCRIPTION	DEFAULT	PAGE
P121E	1E Zone alarms to AUX1 (P58E selects zones)	ON	See INSTALLATION manual
	2E Zone Supervision alarms to AUX1	OFF	
	3E Radio key Panic TOGGLE	OFF	
	4E Radio key Panic PULSE	OFF	
	5E [not used]		
	6E [not used]		
	7E Door Open Too Long (DOTL) alarm to AUX1	OFF	
	8E Reader [x] output to AUX1	OFF	
P122E	1E Zone alarms to AUX2 (P59E selects zones)	ON	
	2E Zone Supervision alarms to AUX2	OFF	
	3E Radio key Aux Button TOGGLE	OFF	
	4E Radio key Aux Button PULSE	OFF	
	5E [not used]	OFF	
	6E [not used]	OFF	
	7E Door Open Too Long (DOTL) alarm to AUX2	OFF	
	8E Reader [x] output to AUX2	OFF	
P123E	1E Zone Alarms to AUX3	OFF	
	3E Enable AUX3 for AutoTime	OFF	
	4E Radio Key Panic Pulses AUX3	OFF	
	5E [not used]	OFF	
	6E [not used]	OFF	
	7E [not used]	OFF	
	8E Reader [x] output to AUX3	OFF	
	P124E	1E Zone Alarms to AUX4	OFF
2E Enable Extension Sonalert		OFF	
3E Enable AUX4 for AutoTime		OFF	
4E Radio Key AUX Pulses AUX4		OFF	
5E Enable AUX4 as Fail To Communicate o/p		OFF	
6E [not used]		OFF	
7E [not used]		OFF	
8E Reader [x] output to AUX4		OFF	
P125E	Enable hardwired zones	All on	
P126E	1E Enable Double key PANIC	ON	
	2E Enable Double key FIRE	OFF	
	3E Enable Dbl key MEDICAL & Nav MEDICAL	OFF	
	4E Enable Entry Chime, DAY Mode	OFF	
	5E Enable Entry Chime, HOME Mode	OFF	
	6E [not used]	OFF	
	7E [not used]	OFF	
	8E Disable One Digit At A Time display	ON	
P129E	1E 0k EOL resistors	OFF	
	2E 1k EOL resistors	OFF	
	3E 1.5k EOL resistors	OFF	
	4E 2.2k EOL resistors	ON	
	5E 3.3k EOL resistors	OFF	
	6E 3.9k EOL resistors	OFF	
	7E 4.7k EOL resistors	OFF	
	8E 5.6k EOL resistors	OFF	
	9E 6.8k EOL resistors	OFF	
	10E 8.2k EOL resistors	OFF	
	11E 10k EOL resistors	OFF	
	12E 12k EOL resistors	OFF	
	13E 22k EOL resistors	OFF	

OPTION	DESCRIPTION	DEFAULT	PAGE
P141E	1E Area 1 Armed to AUX1	OFF	See INSTALLATION manual
	2E Area 2 Armed to AUX1	OFF	
	3E Home Armed to AUX1	OFF	
	4E Keypad toggle AUX1	OFF	
	8E Pulse AUX1	OFF	
P142E	1E Area 1 Armed to AUX2	OFF	
	2E Area 2 Armed to AUX2	OFF	
	3E Home Armed to AUX2	OFF	
	4E Keypad toggle AUX2	OFF	
P143E	1E Area 1 Armed to AUX3	OFF	
	2E Area 2 Armed to AUX3	OFF	
	3E Home Armed to AUX3	OFF	
	4E Keypad toggle AUX3	OFF	
P144E	1E Area 1 Armed to AUX4	OFF	
	2E Area 2 Armed to AUX4	OFF	
	3E Home Armed to AUX4	OFF	
	4E Keypad toggle AUX4	OFF	
P145E	AUX1 Timer (1-99 sec)	20 sec	
P146E	AUX2 Timer (1-99 sec)	20 sec	
P147E	AUX3 Timer (1-99 sec)	20 sec	
P148E	AUX4 Timer (1-99 sec)	20 sec	
P151E	4E Keypad toggle AUX5	OFF	
	5E [not used]	OFF	
	7E Reader Output to AUX5	OFF	
P152E	8E PULSE AUX5	OFF	
	2E AUX+ * key Toggles AUX6	OFF	
	3E AUX+ * key Pulses AUX6	OFF	
P153E	4E Keypad toggle AUX6	OFF	
	7E Reader Output to AUX6	OFF	
	8E PULSE AUX6	OFF	
P154E	4E Keypad toggle AUX7	OFF	
	5E [not used]	OFF	
	7E Reader Output to AUX7	OFF	
P155E	8E PULSE AUX7	OFF	
	3E AUX+ * key Toggles AUX8	OFF	
	4E Keypad toggle AUX8	OFF	
P156E	7E Reader Output to AUX8	OFF	
	8E PULSE AUX8	OFF	
	P157E	AUX5 timer	20 sec
P158E	AUX6 timer	20 sec	
P160E	AUX7 timer	20 sec	
P161E	AUX8 timer	20 sec	
P162E	Alarm Siren Volume	99	
	Fire Siren Volume	99	
	Chirp Siren Volume	16	

*Aux+ is button5 on the RK5 radio key

OPTION	DESCRIPTION	DEFAULT	PAGE
SMS SMS Reporting Options			
P180E SMS	U Ph No 1 for SMS alarm reports	none	14
P181E SMS	U Ph No 2 for SMS alarm reports	none	
P182E SMS	U Ph No 3 for SMS alarm reports	none	
P183E SMS	U Ph No 4 for SMS Area1 O/C reports	none	
P184E SMS	U Ph No 5 for SMS Area2 O/C reports	none	
P185E SMS	U Ph No 6 for SMS operation	none	
P186E SMS	U Ph No 7 for SMS operation	none	
P187E SMS	U Ph No 8 for SMS operation	none	
P188E SMS	U Ph No 9 for SMS operation	none	
P189E SMS	U Ph No 10 for SMS operation	none	
P190E SMS	Report Zone Alarms by SMS	All on	15
P191E SMS	Report Misc Alarms by SMS	See page	16
P192E SMS	Report Zone Restorals by SMS	All on	15
P193E SMS	Report Misc Restorals by SMS	All on	16
P194E 1E	Send AREA 1 Open/Close by SMS	OFF	20
SMS 2E	Send AREA 2 Open/Close by SMS	OFF	
P195E SMS	<i>Include in SMS Request Status report:</i>		25
1E	Zones unsealed	OFF	
2E	Zones in alarm	OFF	
3E	Zones excluded	OFF	
4E	Zones Supervision fail	OFF	
5E	Zones doors open	OFF	
6E	Zones detector low battery	OFF	
7E	Zones detector tamper	OFF	
8E	Miscellaneous alarms	ON	
9E	Arming status	OFF	
10E	Outputs on	OFF	
11E	Model and version	OFF	
12E	Aux Outputs on	OFF	
P196E SMS	Report Misc. Remote Alarms by SMS		24
5E	Remote Panel Tamper alarm	OFF	
13E	Remote Panel Low Batt alarm	OFF	
14E	Remote Panel Mains Fail alarm	OFF	
15E	Remote Panel Comms Fail alarm	OFF	
P197E SMS	Report Misc. Remote Restorals by SMS		24
5E	Remote Panel Tamper restoral	OFF	
13E	Remote Panel Low Batt restoral	OFF	
14E	Remote Panel Mains Fail restoral	OFF	
15E	Remote Panel Comms Fail restoral	OFF	

P199E	Serial Output Options 1E-7E Enable 1E-7E to enable operation via optional Ness-Bridge interface.	All off	See INSTALLATION manual
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ACCESS CONTROL OPTIONS

P300E	DEFAULT ALL ACCESS CONTROL OPTIONS	INST Manual
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- Panel programming options - ORANGE (See Installer Manual)
- SMS SMS related options - BLUE
- CS CENTRAL STATION reporting options - GREEN

OPTION	DESCRIPTION	DEFAULT	PAGE
P301E 1E	Use reader addresses	OFF	See INSTALLATION manual
2E	Arm with double read	ON	
3E	Arm with single read and pushbutton	OFF	
4E	Disarm with access card	ON	
5E	REX Input 1 (Zone 5 input)	OFF	
6E	REX Input 2 (Zone 6 input)	OFF	
7E	REX Input 3 (Zone 7 input)	OFF	
8E	Strobe Flash on Arm/Disarm by Reader	ON	
P303E	DOTL zones	none	See INSTALLATION manual
P304E	DOTL time	20 sec	
P305E 1E	DOTL output LATCHES	OFF	
2E	DOTL outputs to Output Expander	OFF	
3E	DOTL Timer in Minutes	OFF	
4E	DOTL Timer in Hours	OFF	See INSTALLATION manual
5E	DOTL zone flashes on keypad	OFF	
AUX OUTPUTS			
P318E 1E	Ultraprox Reader 1 to AUX1	OFF	See INSTALLATION manual
2E	Ultraprox Reader 1 to AUX2	OFF	
3E	Ultraprox Reader 1 to AUX3	OFF	
4E	Ultraprox Reader 1 to AUX4	OFF	
5E	Ultraprox Reader 1 to AUX5	OFF	
6E	Ultraprox Reader 1 to AUX6	OFF	
7E	Ultraprox Reader 1 to AUX7	OFF	
8E	Ultraprox Reader 1 to AUX8	OFF	
P319E	Ultraprox Reader 1 output TIME	5 sec	See INSTALLATION manual
P328E 1E	Ultraprox Reader 2 to AUX1	OFF	
2E	Ultraprox Reader 2 to AUX2	OFF	
3E	Ultraprox Reader 2 to AUX3	OFF	
4E	Ultraprox Reader 2 to AUX4	OFF	
5E	Ultraprox Reader 2 to AUX5	OFF	
6E	Ultraprox Reader 2 to AUX6	OFF	
7E	Ultraprox Reader 2 to AUX7	OFF	
8E	Ultraprox Reader 2 to AUX8	OFF	
P329E	Ultraprox Reader 2 output TIME	5 sec	See INSTALLATION manual
P338E 1E	Ultraprox Reader 3 to AUX1	OFF	
2E	Ultraprox Reader 3 to AUX2	OFF	
3E	Ultraprox Reader 3 to AUX3	OFF	
4E	Ultraprox Reader 3 to AUX4	OFF	
5E	Ultraprox Reader 3 to AUX5	OFF	
6E	Ultraprox Reader 3 to AUX6	OFF	
7E	Ultraprox Reader 3 to AUX7	OFF	
8E	Ultraprox Reader 3 to AUX8	OFF	
P339E	Ultraprox Reader 3 output TIME	5 sec	See INSTALLATION manual
P401E to P432E	Program Radio Devices 1 to 32	INST Manual	

U REAL TIME CLOCK options can be programmed in User Program Mode.

P340E	Real Time Clock set MINUTES	00 (00-59)	See INSTALLATION manual
P341E	Real Time Clock set HOURS	00 (00-23)	
P342E	Real Time Clock set DAY	01 (01-31)	
P343E	Real Time Clock set MONTH	01 (01-12)	
P344E	Real Time Clock set YEAR	2024	
P345E	Real Time Clock view DAY of week		

OPTION	DESCRIPTION	Default
AutoTimer 1		
P350E	Minutes 0-59	
P351E	Hours 0-23	
P352E	Days (1=Sunday)	
P353E	1E AREA 1 arm	
	2E AREA 2 arm	
	3E HOME arm	
	4E Code Enable	
	5E Code Disable	
	6E KEYPAD Beeps	
	7E RESET O/P Beeps	
	8E Extend AutoTIME	
P354E	1E AREA 1 disarm	
	2E AREA 2 disarm	
	3E HOME disarm	
	4E Uses AUX5&6 not AUX1&2	
	5E AUX1 TOGGLE	
	6E AUX1 PULSE	
	7E AUX2 TOGGLE	
	8E AUX2 PULSE	

OPTION	DESCRIPTION	Default
AutoTimer 4		
P365E	Minutes 0-59	
P366E	Hours 0-23	
P367E	Days (1=Sunday)	
P368E	1E AREA 1 arm	
	2E AREA 2 arm	
	3E HOME arm	
	4E Code Enable	
	5E Code Disable	
	6E KEYPAD Beeps	
	7E RESET O/P Beeps	
	8E Extend AutoTIME	
P369E	1E AREA 1 disarm	
	2E AREA 2 disarm	
	3E HOME disarm	
	4E Uses AUX5&6 not AUX1&2	
	5E AUX1 TOGGLE	
	6E AUX1 PULSE	
	7E AUX2 TOGGLE	
	8E AUX2 PULSE	

OPTION	DESCRIPTION	Default
AutoTimer 7		
P380E	Minutes 0-59	
P381E	Hours 0-23	
P382E	Days (1=Sunday)	
P383E	1E AREA 1 arm	
	2E AREA 2 arm	
	3E BRIEF DAY MODE arm	
	4E Code Enable	
	5E Code Disable	
	6E KEYPAD Beeps	
	7E RESET O/P Beeps	
	8E Extend AutoTIME	
P384E	1E AREA 1 disarm	
	2E AREA 2 disarm	
	3E BRIEF DAY MODE disarm	
	4E Uses AUX7&8 not AUX3&4	
	5E AUX3 TOGGLE	
	6E AUX3 PULSE	
	7E AUX4 TOGGLE	
	8E AUX4 PULSE	

OPTION	DESCRIPTION	Default
AutoTimer 2		
P355E	Minutes 0-59	
P356E	Hours 0-23	
P357E	Days (1=Sunday)	
P358E	1E AREA 1 arm	
	2E AREA 2 arm	
	3E HOME arm	
	4E Code Enable	
	5E Code Disable	
	6E KEYPAD Beeps	
	7E RESET O/P Beeps	
	8E Extend AutoTIME	
P359E	1E AREA 1 disarm	
	2E AREA 2 disarm	
	3E HOME disarm	
	4E Uses AUX5&6 not AUX1&2	
	5E AUX1 TOGGLE	
	6E AUX1 PULSE	
	7E AUX2 TOGGLE	
	8E AUX2 PULSE	

OPTION	DESCRIPTION	Default
AutoTimer 5		
P370E	Minutes 0-59	
P371E	Hours 0-23	
P372E	Days (1=Sunday)	
P373E	1E AREA 1 arm	
	2E AREA 2 arm	
	3E HOME arm	
	4E Code Enable	
	5E Code Disable	
	6E KEYPAD Beeps	
	7E RESET O/P Beeps	
	8E Extend AutoTIME	
P374E	1E AREA 1 disarm	
	2E AREA 2 disarm	
	3E HOME disarm	
	4E Uses AUX7&8 not AUX3&4	
	5E AUX3 TOGGLE	
	6E AUX3 PULSE	
	7E AUX4 TOGGLE	
	8E AUX4 PULSE	

OPTION	DESCRIPTION	Default
AutoTimer 8		
P385E	Minutes 0-59	
P386E	Hours 0-23	
P387E	Days (1=Sunday)	
P388E	1E AREA 1 arm	
	2E AREA 2 arm	
	3E BRIEF DAY MODE arm	
	4E Code Enable	
	5E Code Disable	
	6E KEYPAD Beeps	
	7E RESET O/P Beeps	
	8E Extend AutoTIME	
P389E	1E AREA 1 disarm	
	2E AREA 2 disarm	
	3E BRIEF DAY MODE disarm	
	4E Uses AUX7&8 not AUX3&4	
	5E AUX3 TOGGLE	
	6E AUX3 PULSE	
	7E AUX4 TOGGLE	
	8E AUX4 PULSE	

OPTION	DESCRIPTION	Default
AutoTimer 3		
P360E	Minutes 0-59	
P361E	Hours 0-23	
P362E	Days (1=Sunday)	
P363E	1E AREA 1 arm	
	2E AREA 2 arm	
	3E HOME arm	
	4E Code Enable	
	5E Code Disable	
	6E KEYPAD Beeps	
	7E RESET O/P Beeps	
	8E Extend AutoTIME	
P364E	1E AREA 1 disarm	
	2E AREA 2 disarm	
	3E HOME disarm	
	4E Uses AUX5&6 not AUX1&2	
	5E AUX1 TOGGLE	
	6E AUX1 PULSE	
	7E AUX2 TOGGLE	
	8E AUX2 PULSE	

OPTION	DESCRIPTION	Default
AutoTimer 6		
P375E	Minutes 0-59	
P376E	Hours 0-23	
P377E	Days (1=Sunday)	
P378E	1E AREA 1 arm	
	2E AREA 2 arm	
	3E HOME arm	
	4E Code Enable	
	5E Code Disable	
	6E KEYPAD Beeps	
	7E RESET O/P Beeps	
	8E Extend AutoTIME	
P379E	1E AREA 1 disarm	
	2E AREA 2 disarm	
	3E HOME disarm	
	4E Uses AUX7&8 not AUX3&4	
	5E AUX3 TOGGLE	
	6E AUX3 PULSE	
	7E AUX4 TOGGLE	
	8E AUX4 PULSE	

AUTOTIMER RELATED OPTIONS

OPTION	DESCRIPTION	Default
P390E	AutoTime warning (1-99 min)	00
P392E 1E	AutoTime codes Option	OFF
P121E 3E	Enable AUX1 for AutoTimers	OFF
P122E 3E	Enable AUX2 for AutoTimers	OFF
P123E 3E	Enable AUX3 for AutoTimers	OFF
P124E 3E	Enable AUX4 for AutoTimers	OFF
P145E	AUX1 Pulse Time (1-99 sec)	20 sec
P146E	AUX2 Pulse Time (1-99 sec)	20 sec
P147E	AUX3 Pulse Time (1-99 sec)	20 sec
P148E	AUX4 Pulse Time (1-99 sec)	20 sec

See the separate INSTALLATION MANUAL for details of AutoTimer related options.

