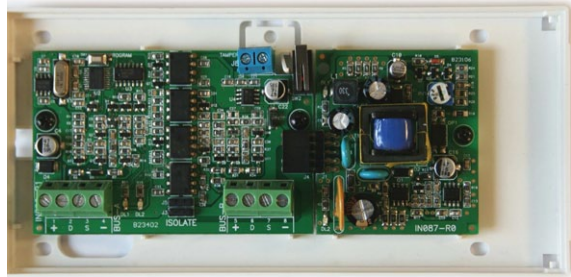


IB100 I-BUS isolator

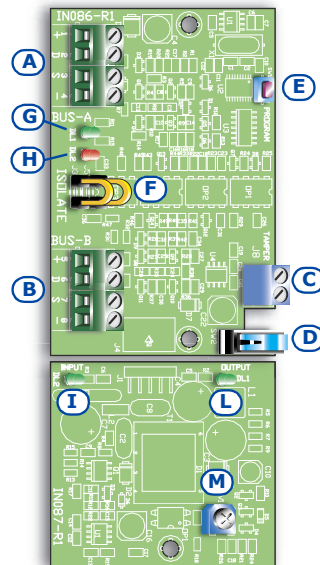
The IB100 isolator is a peripheral device which, when connected to the I-BUS, allows you to configure two groups of peripherals by means of galvanic isolation of the electrical power, Ground and the D and S data channels of each group. Using this principle, the group of peripherals connected and powered directly from the control panel (group A) can be separated from the group connected to the control panel via the isolator, therefore, not powered by the control panel (group B).



The isolator also regenerates the D and S signals, thus limiting signal/power loss due to the excessive wire length of the I-BUS.

- **IB100-A**, model is fitted with BUS, power supply and isolated DC/DC convertor isolation functions, housed in white box, manages open-tamper but not dislodgement-tamper.

A	I-BUS A terminal board (to control panel)	All models
B	I-BUS B terminal board	
C	Open-tamper terminalfor	IB100-RP and IB100-A
D	Open-tamper microswitch	
E	Configuration button	All models
F	Isolation jumpers	
G	I-BUS A communication LED (green)	
H	I-BUS B communication LED (red)	
I	BUS A power supply LED (green)	Only for IB100-A
L	BUS B power supply LED (green)	
M	Voltage output trimmer	



Technical specifications	IB100-A
Minimum input voltage	9 V dc
Maximum input voltage	16 V dc
Output voltage interval	12-16 Vdc
Typical current draw	110 mA
Maximum output current	500 mA
Operating temperature	-5 / +40 °C
Dimensions [mm]	170 x 79 x 26

Configurations

The IB100-A model operates using the configuration which provides galvanic isolation of the D and S signals and the electrical power. It also has an isolated DC/DC convertor which powers the devices connected to BUS B, without the need of an external power supply. The output power voltage supplied by the convertor can be adjusted by means of the trimmer [M], values range from 12 to 16Vdc.

Addressing the device

In order to allow the control panel to distinguish the various isolators connected to the I-BUS, it is necessary to assign a different address to each isolator.

To assign the addresses, work carefully through the following steps:

1. Put the control panel in Service mode or access the Programming phase.
2. Press and hold key [E] until LEDs [G] and [H] go Off.
3. Release key [E]; the green LED [G] will start to blink. The number of blinks indicate the device address.
4. To change the address, press the as many times as is necessary to reach the required address. During this phase the red LED [H] acts as a monitor and goes ON each time the key is pressed (feedback signal). Once you have set the desired address, wait 5 seconds, LEDs [G] and [H] will blink simultaneously to confirm the address has been saved.
5. The Programming phase will end automatically if the key is not pressed within 5 seconds.