

## IB100

### I-BUS Isolators

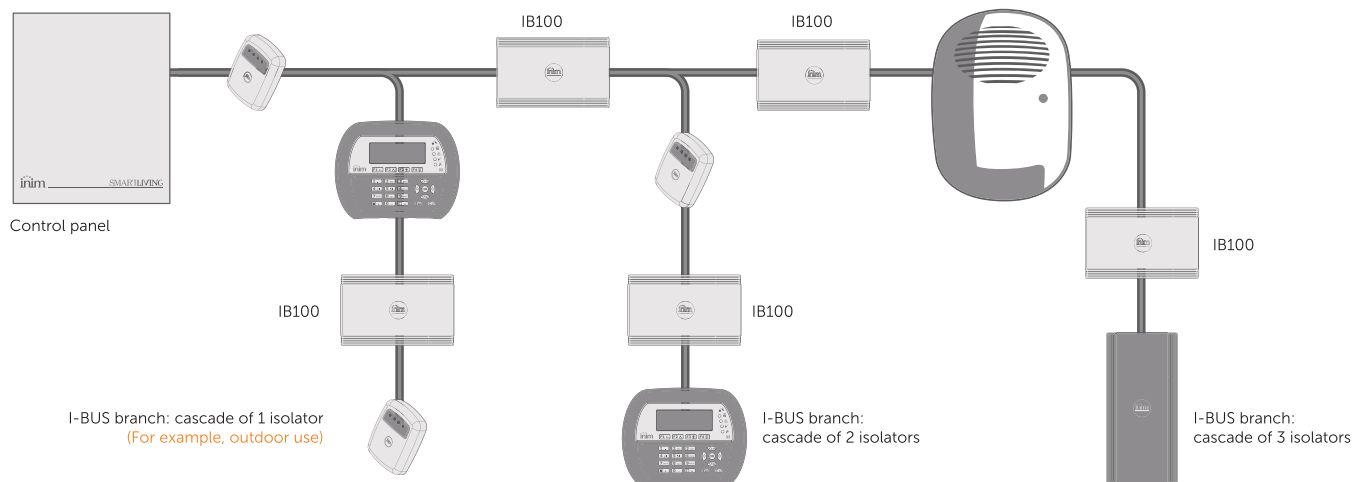
The BUS is without doubt one of the most important components of any intrusion control panel. It is the "backbone" of the system, in fact, the BUS carries information from the control panel to the system peripherals and vice versa.

Therefore, if the system is to provide maximum reliability, then the BUS must do the same. To assist installers in this task, INIM provides several BUS isolator versions. The standard version, IB100-R, protects and regenerates the BUS data signals. The enhanced version, IB100-A, protects and regenerates the BUS data signals and its power supply.

Using an isolator limits BUS trouble caused by eventual anomaly (short-circuit, tamper) to the isolator-protected section and simplifies identification of it the section involved.

As a result of the regeneration feature, fitting an isolator to the BUS also allows you to extend its length.

The IB100-A is also useful safeguard against acts of vandalism acts to peripherals located in non-protected areas. If a peripheral is damaged and the operating capacity of the BUS is at risk, the isolator, installed in the protected area will guarantee the functionality of the rest of the system.



#### Main features

	IB100-RU	IB100-RP	IB100-A
Maximum number of isolators in cascade	5	5	5
Maximum number of isolators in parallel	50	50	50
Galvanic isolation of data (D, S)	Yes	Yes	Yes
Regeneration of data signals (D, S)	Yes	Yes	Yes
Tamper signaling	-	Yes	Yes
I-BUS analysis function	Yes	Yes	Yes
Address programmable (for firmware upgrading)	Yes	Yes	Yes
Galvanic isolation of power supply (+, -)	Configurable	Configurable	Yes
Regenerated voltage of BUS power supply	-	-	Yes
Regenerated voltage of BUS power supply adjustable from 12 to 16Vdc	-	-	13,8Vdc
Maximum regenerated current (@13.8Vdc)	-	-	500mA
Permitted interval of input voltage	-	-	8-16Vdc
Dimensions (HxWxD)	59x108x20 mm	80x126x27 mm	171x80x27 mm
Weight	65g	100g	170g

#### ORDER CODES

**IB100-RP** : BUS isolator with data regeneration and tamper protection.

**IB100-RU** : BUS isolator with data regeneration and on-view terminals.

**IB100-A** : BUS isolator with data and power-supply regeneration and tamper protection.