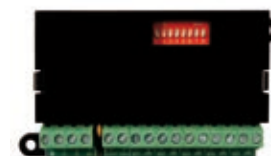# Flex5
Input and Output expansion board

Flex5/P   Flex5/U

The Flex5 expansion board increases the number of inputs (zones) or outputs available on the SmartLiving system. The board receives commands and power via the I-BUS. The power supply to the device and the two ancillary power outputs are protected against short-circuit and overload. The Flex5 expansion board has 5 terminals which can be used as either zones or outputs. If programmed as inputs, terminals 1 to 4 directly accept shock and rollerblind sensors. If programmed as outputs, these terminals can sink 150mA.
The Flex5 expansion board has a built-in signalling buzzer which can be activated separately from the terminals.
The device is protected against break-open and break-off tamper (these protections can be disabled if necessary).

Main features

	Flex5/P	Flex5/U
Terminals	5	
Terminals which accept shock and rollerblind sensors	4	
Maximum current draw for output terminals	150mA	
Resettable fuse protects bus load current draw	300mA	
Ancillary power supply	2	
Integrated Buzzer	Yes	
Protected against break-open tamper	Yes	-
Protected against break-off tamper	Yes	-
Dimensions (HxWxD)	80x126x27 mm	59x108x20 mm
Weight	106 g	67 g

Flex5/DAC
Network Voltage Output expansion board

Flex5/DAC

Flex5/DAC* allows full control of domestic loads. Among these, appliances such as washing machines, dryers, ovens and dishwashers. The Flex5/DAC also allows control of other household facilities such as lighting and switches. For these facilities, the Flex5/DAC allows the adjustment of brightness thus providing perfect management of those household scenarios where illumination is a determining factor. The board also allows control of the phase displacement between the current and voltage of each individual output, in such a way as to control any inefficiencies in the electrical distribution system.
The simultaneous management of several outputs by the Flex5/DAC also permits light colour adjustments.

Main features

Output terminals programmable as Relay or Dimmer	5
Operating range in AC	110-230V 50-60Hz
Maximum current draw for each output	10 A, cos ϕ=1
I-BUS Interface	Yes
Electrical quantity measurement for each output (max and rms)	Current, Voltage, Power
Power factor measurement (cos ϕ) for each output	Yes
Anti-opening protection	Yes
DIN rail mount	9 module enclosure
Dimensions (LxWxD)	88x158x58,5mm
Weight	300g

*Can be used with SmartLiving version 6.

ORDER CODES

Flex5/P: input and output expansion board with tamper protection.
Flex5/U: input and output expansion board with terminals on-view.
Flex5/DAC: 5 output dimmer expander, 230V.