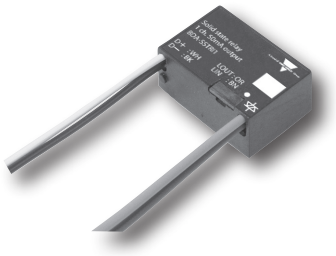
Solid State Relay Output

BDA-SSTRI1

Small sized single solid state relay output
Load: 10 Watt
Powered by smart-house
Address coding by BGP-COD-BAT
Low power consumption



GENERAL SPECIFICATIONS

Fail-safe mode	In case of interruption of the smart-house connection, the channel will be forced into a specific optional status as either active high or active low.
Environment	
Pollution degree	3 (IEC 60664)
Operation temperature	-20° to +50°C (-4° to 122°F)
Storage temperature	-50° to +85°C (-58° to 185°F)
Humidity (non-condensing)	20 to 80%
Housing	
Material	Noryl GFN 1, black
Dimensions (h x w x d)	26 x 39 x 17 mm

OUTPUT SPECIFICATIONS

Output	1 solid state relay (Triac)
Maximum load	10 Watt / 50 mA
Minimum load (recommended)	5 mA/230 VAC
Response time	1 pulse train

SUPPLY SPECIFICATIONS

Supplied by smart-house	
Current consumption	< 3 mA
Power-on delay	Typ. 2 s

WIRE CONNECTIONS

Bus:	White = smart-house signal, D+ Black = smart-house negative, D-
Output:	Brown = Solid state relay - L_{in} Orange = Solid state relay - L_{out}
Bus wires:	2 x 0,75 mm², 250 V isolation, single core, 150 mm
Output wires:	2 x 1,5 mm², 250 V isolation, single core, 150 mm

INSULATION VOLTAGE

Live parts - smart-house	4 kVAC rms (6 mm)
Enclosure - Live parts	2 kVAC rms (3 mm)
Enclosure - smart-house	2 kVAC rms (3 mm)

MODE OF OPERATION

The smart-house decentral receiver has one NO solid state output. The module is especially designed for the use in building automation applications. It is further on developed to control heat valves in a heating system together with the temperature unit BFW-TEMDIS or BOW-TEMDIS. The compact size of the module makes it possible to fit it in a junction box or directly behind a power outlet.
The output address and fail-polarity may be coded by means of the code programmer BGP-COD-BAT, with GAP-THP-CAB cable.
Upon loss of smart-house carrier the output goes to the predefined fail-polarity.

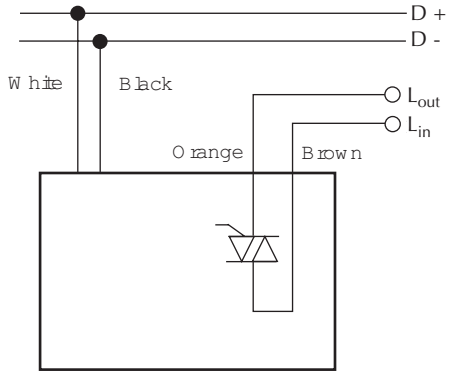
TYPE SELECTION

Supply	***Ordering no.***
Smart-house	BDA-SSTRI1

ACCESSORIES

Programming cable to BGP-COD-BAT	GAP-TPH-CAB

WIRING DIAGRAM



DIMENSIONS