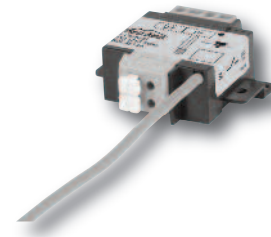


BDE-RE13A

- 1-channel receiver in compact enclosure**
- 1-relay output**
- Load: 13 A/250 VAC**
- Supplied by smart-house**
- Channel coding by BGP-COD-BAT**



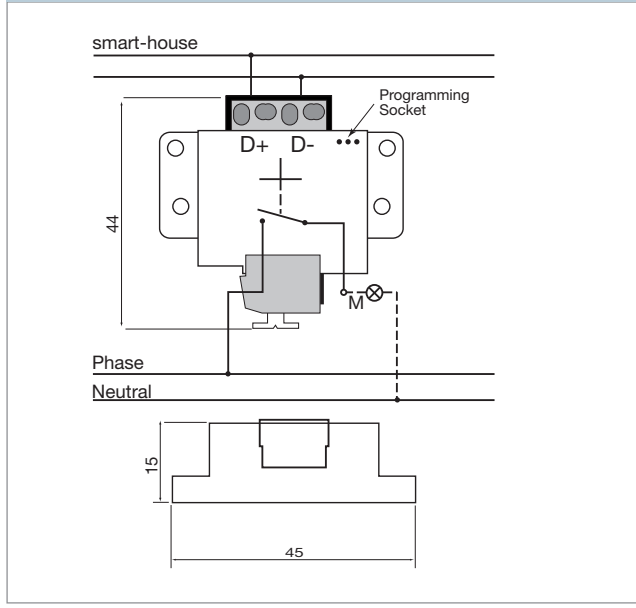
OUTPUT SPECIFICATIONS

Output	1 SPST relay	
Contact ratings	μ (micro gap)	
Resistive load	13 A / 250 VAC	
Relay data		
Contact Life	Typical number of operations	
• 250 V, 12 A, $\cos\phi=1$ 1800/h, 50% DC, +70°C	1.0×10^5	
• 250 V, 8 A, $\cos\phi=1$ 1800/h, 50% DC, +70°C	3.5×10^5	
• 250 V, 4 A, $\cos\phi=1$ 1800/h, 50% DC, +70°C	5.0×10^5	
• 250 V, 3 A, $\cos\phi=1$ 1800/h, 50% DC, +70°C	7.5×10^5	
• 250 V, 550 W filament lamps $I_{in} \leq 40$ A peak, $I_{off} = 2.5$ A 60/h, 8% DC, +22°C	2.0×10^5	
		• 230 V, 1000 W filament lamps $I_{in} \leq 71.5$ A peak, $I_{off} = 4.5$ A 60/h, 8% DC, +25°C
		• 230 V, 900 W fluorescent tubes (25 x 36 W) parallel compensated, 30 μ F 60/h, 50% DC, +25°C
		• 230 V, compressor $I_{in} \leq 21$ A peak, $I_{off} = 3.5$ A, $\cos\phi = 0.5$ 500/h, 20% DC, +25°C
		• 250 V, 8 A, $\cos\phi = 0.3$ 360/h, 50% DC, +25°C
		Minimum load (recommended)
		100 mA / 12 V
		Operating frequency
		≤ 60 operations/minute
		Response time
		1 pulse train

GENERAL SPECIFICATIONS

Connections		
Bus D+ & D-	$6 \times 0.75 \text{ mm}^2$ or $2 \times 1.5 \text{ mm}^2$ + $4 \times 0.75 \text{ mm}^2$	
Phase in-out	$2 \times 0.5 - 2.5 \text{ mm}^2$	
Output wire orange	$1 \times 1.5 \text{ mm}^2$, 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)	
Environment		
Pollution degree	3 (IEC 664)	
Operating temperature	-20° to 50 °C (-4° to 122°F)	
Storage temperature	-50° to 85°C (-58 to 185°F)	
Humidity (non condensing)		20 - 80%
Housing		
Material	Noryl GFN 1, black	
Dimensions	45 x 38.5 x 15 mm (H x W x D in mm)	

WIRING DIAGRAM / DIMENSIONS



SUPPLY SPECIFICATIONS

Power Supply	Supplied by smart-house bus
Normal consumption	≤ 1.1 mA
Charge consumption	≤ 3.1 mA (for max 1 sec. after relay position change)
Power-on delay	Typ. 2 s
Power-off delay	≤ 1 s

MODE OF OPERATION

The output address and fail-polarity may be coded by means of the code programmer BGP-COD-BAT, with GAP-TPH-CAB cable, and the enclosed adaptor plug. Upon loss of smart-house carrier the output goes to the predefined fail-polarity.

Note: At delivery some of the relays might be ON due to transportation bumps. To be sure that the relays are OFF, connect the module to power and smart-house and transmit on channels A1-4 once.

TYPE SELECTION

Supply	Ordering no.
smart-house supplied	BDE-RE13A