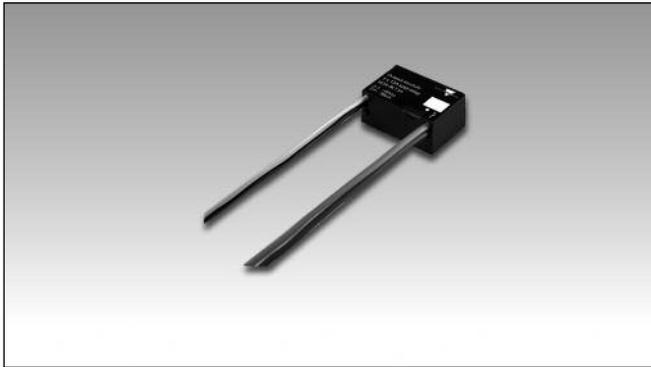


# Smart Dupline® Remote Relay Output Type BDA-RE13A-U



- Small sized single relay output
- Load: 13A / 250VAC
- Withstands 130A inrush current
- Bus supplied

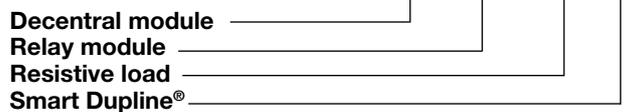
## Product Description

The BDA-RE13A-U is a module with a single relay output. It is part of the Dupline® bus, the output smart-house concept and can be used with all the functions supported by the smart-house controller.

When an activation command is received from the Dupline® bus, the output turns ON and remains ON until an OFF command is received.

## Ordering Key

**BDA RE 13A U**



## Type Selection

Relay max. Load	Relay Output	Bus supplied
13A	1 SPST relay	BDA-RE13A-U

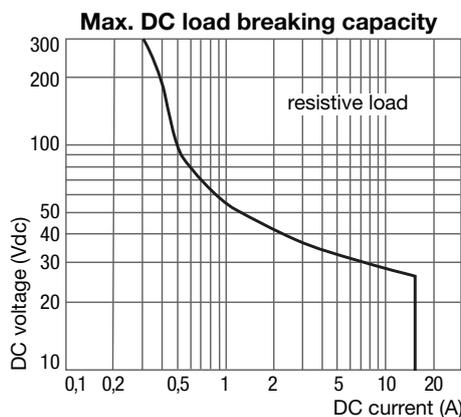
## Output Specifications

<b>Output</b>	1 SPST relay
Contact ratings (AgSnO2)	μ (micro gap)
Resistive load	AC 1
Minimum load (recommended)	13 A/250 VAC
	100mA/12 V

<b>Lifetime</b>	See table to the right
<b>Operating frequency</b>	≤60 operations/minute

Relay Data VDC	
Supply	Max. current (A)
250 VDC	350 mA
100 VDC	500 mA
50 VDC	1.1 Amp
24 VDC	13 Amp

Relay Data VAC	
Load	Typ. N. of Operations
250 V, 12A, cos φ=1	1.0 x 10 <sup>5</sup>
250 V, 8A, cos φ=1	3.5 x 10 <sup>5</sup>
250 V, 4A, cos φ=1	5.0 x 10 <sup>5</sup>
250 V, 3A, cos φ=1	7.5 x 10 <sup>5</sup>
230 V, 550 W filament lamps lin ≤ 40 Apeak loff = 2.5 A	2.0 x 10 <sup>5</sup>
230 V, 1000 W filament lamps lin ≤ 71.5 Apeak loff = 4.5 A	7.0 x 10 <sup>4</sup>
230 V, 900 W fluorescent tubes (25 x 36W) parallel compensated, 30 μF	1.0 x 10 <sup>4</sup>
230 V, compressor lin ≤ 21 Apeak loff = 3.5 A cos φ = 0.5	1.7 x 10 <sup>5</sup>
250V, 8A, cos φ = 0.3	1.0 x 10 <sup>5</sup>





## Dupline® Specifications

Voltage	8.2 V
Maximum Dupline® voltage	10 V
Minimum Dupline® voltage	5.5 V
Maximum Dupline® current	1 mA

## Supply Specifications

Power supply	Supplied by bus
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## Dielectric Strength

Live parts - bus	4 kVAC rms (6 mm)
Enclosure - live parts	2 kVAC rms (3 mm)
Enclosure - bus	2 kVAC rms (3 mm)

## General Specifications

Address assignments / channel programming	If it is used with the Sx2WEB24 the address assignment is automatic: the
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## Mode of Operation

The BDA-RE13A-U is fully programmable via the SH tool: the output can be individually associated to one of the functions supported by the smart-house system.

**Due to its construction with bistable relays, the module is intended for lighting control only.**

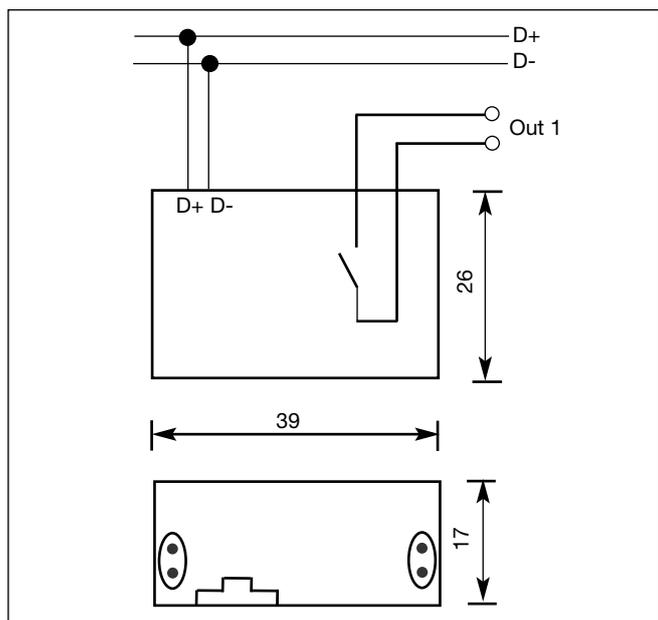
### BDA-RE13A-U connected to the Sx2WEB24 Coding/Addressing

If the output module is connected to the Sx2WEB24 controller, no addressing is needed since the module is provided with a specific identification number (SIN); the user has only to insert

## General Specs (cont.)

	controller recognises the module through the SIN (Specific Identification Number) that has to be inserted in the Sx tool. If it used with the BH8-CTRLX-230, the channels have to be programmed by the BGP-COD-BAT
<b>Environment</b>	
Pollution degree	3 (IEC 60664)
Operating 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% RH
<b>Housing</b>	
Material	NORYL GFN 1, black
Dimensions (h x w x d)	26 x 39 x 17 mm
<b>Approvals</b>	cULus, according to UL60950
	<b>UL notes:</b> Max room temperature: 40°C
<b>CE Marking</b>	Yes

## Wiring Diagrams / Dimensions



## Wire Connections

<b>Bus</b>	Green = bus signal, D+ Blue = bus negative, D-
<b>Output</b>	Orange = Relay contact set Orange = Relay contact set
<b>Bus wires</b>	2 x 0.75 mm <sup>2</sup> , 250 V isolation, single core, 150 mm
<b>Output wires</b>	2 x 1.5 mm <sup>2</sup> , 250 V isolation, single core, 150 mm