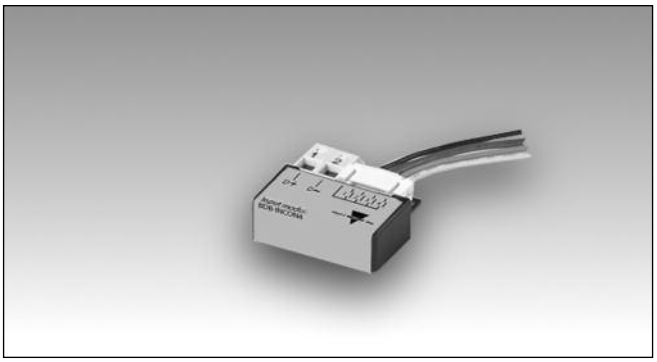
Smart Dupline®
Input Module
Type BDB-INCONx-U



- **Input module for building automation applications**
- **Input pulse prolongation**
- **Compact housing**
- **Dupline® supplied**

Product Description

The BDB-INCONx-U is an input module to be connected to voltage free outputs. It allows flexible installation and connection with existing/traditional light switches. The compact size of the module makes it possible to fit it in a junction box or directly behind a switch/pushbutton input. It is part of the smart-house concept and can be used with all the functions supported by the smart-house controller.

Ordering Key

BDB INCON 4 U

- **Decentral module**
- **Contact input**
- **Input number**
- **Smart dupline®**

Type Selection

Inputs	Contact input	Bus Supplied
4	Voltage free	**BDB-INCON4-U**
8	Voltage free	**BDB-INCON8-U**

Input Specifications

Inputs	4/8 contacts
Input current	50 µA
Input current peak	20 mA
Input voltage drop	≤1V
Input pulse prolongation	Min. 272 ms
Cable length	≤0.2 m
Dielectric voltage	
Inputs - Dupline®	None

Supply Specifications

Power supply	Supplied by Dupline®

Dupline® Specifications

Voltage	8.2 V
Maximum Dupline® voltage	10 V
Minimum Dupline® voltage	5.5 V
Maximum Dupline® current	2 mA

General Specifications

Address assignments / channel programming	If it is used with the SH2WEB24 the address assignment is automatic: the controller recognises the module through the SIN (Specific Identification Number) that has to be inserted in the SH tool. If it is used with the BH8-CTRL-230, the channels have to be programmed by the BGP-COD-BAT.

Environment	
Operating temperature	0° to +50°C (+32° to +122°F)
Storage temperature	-20° to +70°C (-4° to 158°F)
Humidity (non-condensing)	20 to 80%
Housing	
Dimensions (h x w x d)	28 x 28 x 10 mm
Material	Noryl GFN 1, Black
Connection	
Max size of wire in Dupline® terminals	1.5 mm^2
CE Marking	Yes

General Specifications (cont.)

EMC	
Immunity	EN 61000-6-2
- Electrostatic discharge	EN 61000-4-2
- Radiated radiofrequency	EN 61000-4-3
- Burst immunity	EN 61000-4-4
- Surge	EN 61000-4-5
- Conducted radio frequency	EN 61000-4-6
- Power frequency magnetic fields	EN 61000-4-8
- Voltage dips, variations, interruptions	EN 61000-4-11
Emission	EN 61000-6-3
- Conducted and radiated emissions	CISPR 22 (EN55022), cl. B
- Conducted emissions	CISPR 16-2-1 (EN55016-2-1)
- Radiated emissions	CISPR 16-2-3 (EN55016-2-3)

Mode of Operation

The BDB-INCONx-U is fully programmable via the SH tool: each input can be individually associated to one or more functions supported by the smart-house system.

BDB-INCONx-U connected to the SH2WEB24 Coding/Addressing

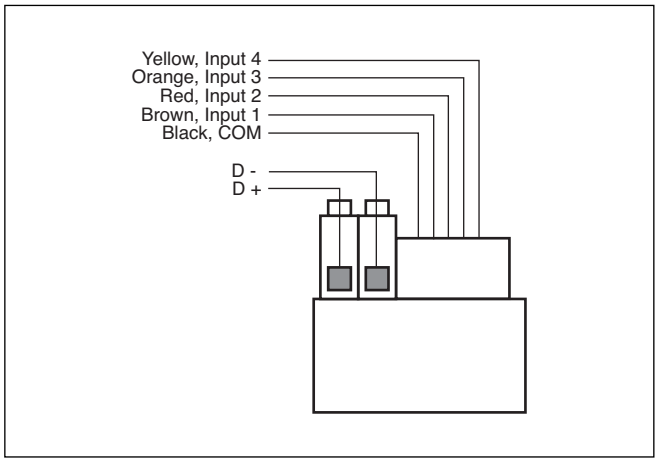
If the input module is connected to the SH2WEB24 controller, no addressing is needed since the module is provided with a specific identification number (SIN): the user has only to insert the SIN number in the SH tool when creating the system configuration.

Used channels:
- 4 (BDB-INCON4-U)
- 8 (BDB-INCON8-U) inputs.

BDB-INCONx-U connected to the BH8-CTRLX-230 Coding/Addressing

If the input module is connected to the BH8-CTRLX-230 controller, the user has to program the Dupline® channels using the BGP-COD-BAT: this module has 4(BDB-INCON4-U)/8(BDB-INCON8-U) inputs.

Wiring Diagrams



Connections

Function	Terminal/Cable colour
Bus	D +
D -	
COM	Black
Input 1	Brown
Input 2	Red
Input 3	Orange
Input 4	Yellow

Mouser Electronics

Authorized Distributor

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Carlo Gavazzi:

BDB-INCON4-U BDD-INCON4-U BDB-INCON8-U BDB-IOCP8-U BDB-IOCP8A-U