

## BSE-MAG

- ABS housing, cylindrical
- Ø11 housing
- Sensing distance: 8 mm
- Supplied by smart-house
- 1.5 m. cable
- Channel coding by BGP-COD-BAT with ADAPT 1605



### GENERAL SPECIFICATIONS

Environment	
Degree of protection	IP 67
Pollution degree	3 (IEC 60664)
Operating temperature	-20° to +50°C (-4° to +122°F)
Storage temperature	-20° to +70°C (-4° to +158°F)
Mechanical resistance	
Shock	15 G (11 ms)
Vibration	2 G (6 to 55 Hz)

Material	
Housing	PBT VALOX 325M
Back	PBT VALOX 325M
Front	PBT VALOX 325M
Cable type	PVC, grey, oil proof, 4 x 34 mm <sup>2</sup>
Cable length	1.5 m
Weight	
	40 g

### INPUT SPECIFICATIONS

Inputs	
Nominal sensing distance $S_n$	8 mm
Operating sensing distance $S_a$	5 mm ≤ $S_a$ ≤ 15 mm
Release distance	≤ 30 mm
Response time	
	≤ 1 pulse train

### REDUCTION FACTORS

The nominal sensing distance is reduced by the use of metal and alloys other than ST 37. Most important reduction factors for the inductive proximity switch are:

Stainless steel	0.6 x $S_n$
Brass	0.4 x $S_n$
Aluminium	0.3 x $S_n$
Copper	0.2 x $S_n$

### SUPPLY SPECIFICATIONS

<b>Power supply</b>	Supplied by smart-house
Reverse polarity protection	Yes
Rated operational current	Typ. 550 µA

### TYPE SELECTION

Housing diameter	Nominal sensing distance ( $S_n$ )	Ordering no. 1 channel magnet-operated proximity switch
Ø 11 mm	8 mm	BSE-MAG

### MODE OF OPERATION

The BSE-MAG is an ordinary magnetic proximity switch, but with a built-in smart-house transmitter.

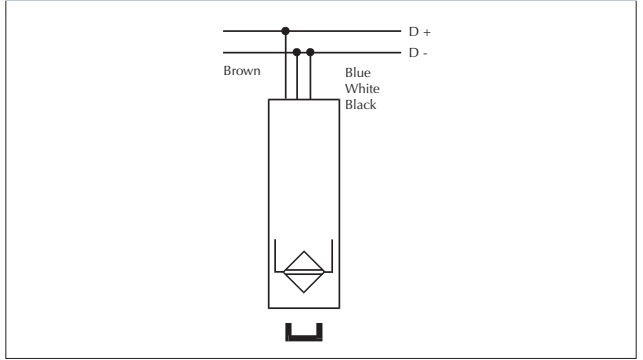
Once a magnet is brought within sensing distance of the magnetic proximity switch, the channel in question is activated. When the distance between magnet and transmitter exceeds 30 mm, the channel in question is deactivated.

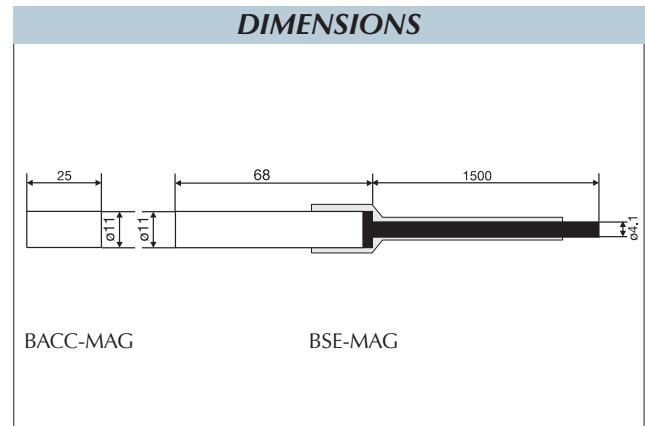
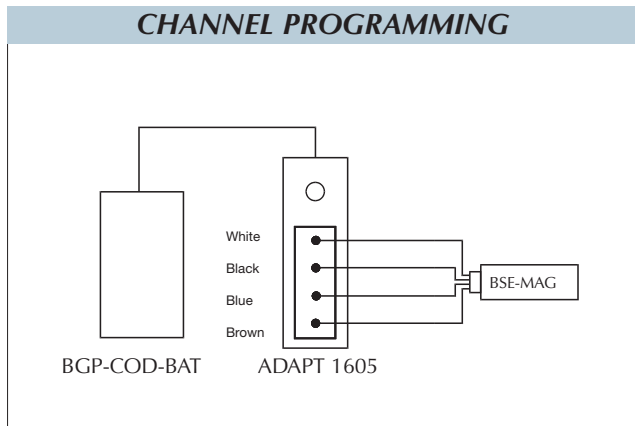
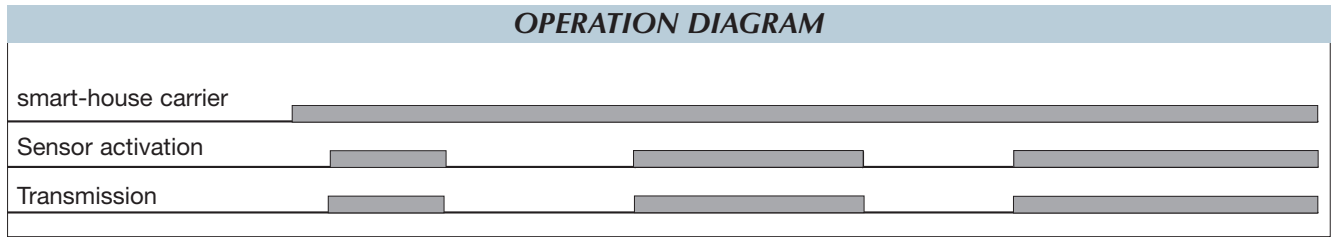
Several transmitters coded to the same channel may be used within an application. In this case the channel turns ON if one of the connected magnetic proximity switches is activated.

It is necessary to use the wire adapter box, ADAPT 1605, together with the programming unit, BGP-COD-BAT, in order to program the channel.

**Note:**  
After programming, the white, black and blue wires must be connected to smart-house ground.

### WIRING DIAGRAM





**ADDITIONAL INFORMATION**

**Scope of supply**

BSE-MAG supplied with magnet type BACC-MAG

**ACCESSORIES**

MAGNET  
Programming adapter box

BACC-MAG  
ADAPT 1605