

Dupline® Field- and Installationbus Transmitter with Magnetic Prox. Switch Function Type G 8910 1101

CARLO GAVAZZI



- ABS housing cylindrical
- Ø 11 or M 14 housing
- Sensing distance: 8 mm
- Supplied by Dupline
- 1.5 m cable
- Channel coding by GAP 1605 with ADAPT 1605

Product Description

Non-powered Dupline magnet-operated proximity switch with built-in transmitter. Available in Ø 11 plastic housing or with M 14 metal thread. Monitoring of open doors and windows in building installations.

Ordering Key

G 8910 1101

Type: Dupline

Type

Type Selection

Housing diameter	Nominal sensing distance S_n
Ø 11 mm	8 mm
M 14 mm	8 mm

Ordering no.
1 channel
magnet-operated proximity switch

G 8910 1101
G 8910 1101 G

Input Specifications

Input	Magnetic proximity switch
Sensing distance measured from front end:	
Nominal sensing distance S_n	8 mm
Operating sensing distance S_a	$5 \text{ mm} \leq S_a \leq 15 \text{ mm}$
Release distance	$\leq 30 \text{ mm}$
Response time	≤ 1 pulse train

Supply Specifications

Power supply	Supplied by Dupline
Reverse-polarity protection	Yes
Rated operational current	$\leq 300 \mu\text{A}$

General Specifications

Environment	
Degree of protection	IP 67
Pollution degree	3 (IEC 664)
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)
Tightening torque (G8910..G)	17.5 Nm

Material	
Housing	Black ABS
Thread (G8910..G)	Nickel-plated brass
Front	Black ABS
Back	Black ABS
Cable type	Grey PVC, oil proof 4 x 34 mm ²
Cable length	1.5 m

Weight	
G 8910 1101	40 g
G 8910 1101 G	60 g



Mode of Operation

The G 8910 1101 (G) is an ordinary magnetic proximity switch, but with built-in Dupline transmitter.

Once a magnet is brought within sensing distance of the magnetic proximity switch, the channel in question is activated.

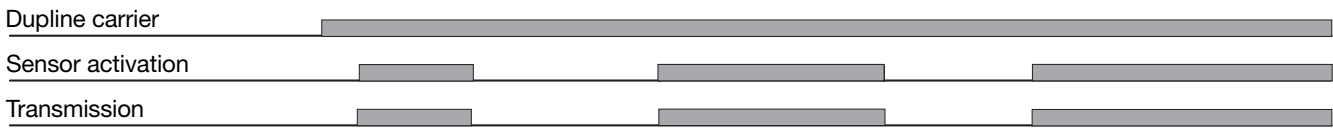
When the distance between magnet and transmitter exceeds 30 mm, the channel in question is deactivated.

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.

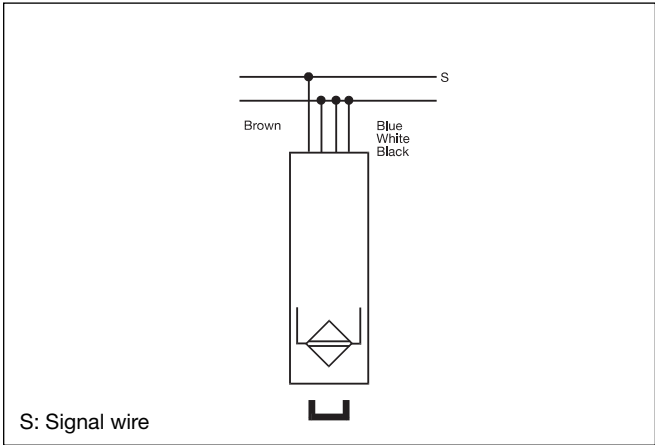
It is necessary to use the wire adapter box, ADAPT 1605, together with the programming unit, GAP 1605, in order to program the channel.

Note:
After programming, the white, black and blue wires must be connected to Dupline ground.

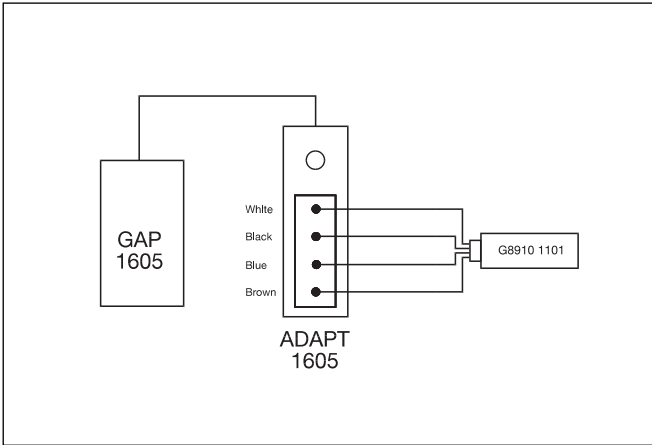
Operation Diagram



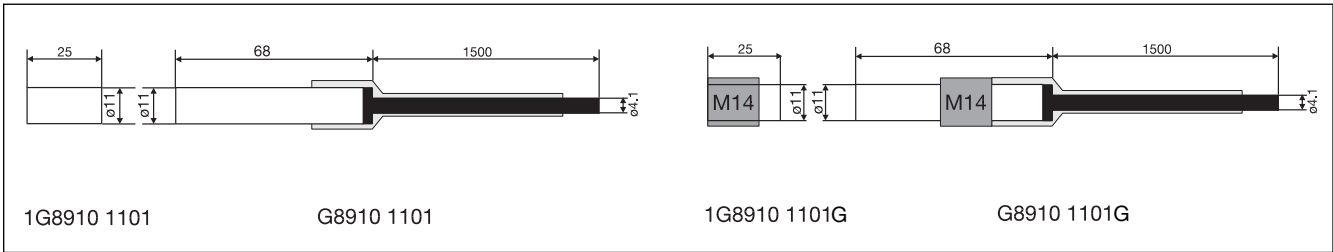
Wiring Diagram



Channel Programming



Dimensions



Additional Information

Scope of supply

G 8910 1101 supplied with magnet type 1G8910 1101
G 8910 1101 G supplied with magnet type 1G8910 1101G

Accessories

Magnet	1G8910 1101
Magnet with thread	1G8910 1101G
Programming adapter box	ADAPT 1605