

# Transmitter for Digital Signals Type G 5010 1106



- Single channel transmitter
- Contact input
- Input pulse prolongation
- Codeable LED output e.g. for feedback purposes
- Supplied by Dupline®, no external supply required
- Mini-E housing
- Direct wall or DIN-rail mounting
- Channel coding by GAP 1605

## Product Description

Dupline®-powered single-channel transmitter in Mini-E housing with contact input. Especially well suited in places where no power supply is available. On the input, there is a built-in pulse-prolongation which ensures that even short input pulses are transmitted. Upon activation of the input

a short charge current pulse ensures that the contacts are kept clean. On the front of the module, there is a red LED which can be coded for any Dupline® channel address for indication of channel ON status. There are only 4 terminals on the module: 2 for Dupline® and 2 for the input.

## Ordering Key

**G 5010 1106**

Type: Dupline®  
Mini-E housing  
Function  
No. of channels  
Input type

## Type Selection

### Supply

Supplied by Dupline®

### Ordering No. 1 channel Contact

**G 5010 1106**

## Supply Specifications

### Power supply

Current consumption  
with LED OFF  
with LED ON

Supplied by Dupline®

Typ. 450 µA  
Typ. 1.2 mA

## Input Specifications

### Inputs

Open loop voltage  
Short-circuit current  
Operating time for signal "1"  
Operating time for signal "0"  
Contact resistance  
Input pulse prolongation  
Cable length  
Dielectric voltage  
Input - Dupline®

1 contact  
2.5 VDC  
17 µA  
< 1 pulse train + 10 ms  
< 1 pulse train + 500 ms  
< 1 kΩ  
min. 272 ms  
< 3 m  
None

## General Specifications

### Environment

Degree of protection  
Pollution degree  
Operating temperature  
Storage temperature

IP 20  
3 (IEC 60664)  
-20° to +50°C (-4° to +122°F)  
-50° to +85°C (-58° to +185°F)

### Humidity (non-condensing)

20 to 80%

### Mechanical resistance

Shock  
Vibration

15 G (11 ms)  
2 G (6 to 55 Hz)

### Dimensions

### Material

49 x 22.5 x 56 mm (L x W x H)  
PC/ABS blend

**Mode of Operation**

Dupline®-powered 1-channel transmitter with contact input. There is a built-in pulse-prolongation on the input to ensure that even short input pulses are transmitted. On the front of the module there is a red LED which can be coded to indicate the status of any Dupline®-channel. The input and the LED output can be coded individually by means of the code programmer GAP 1605. For details, please refer to the

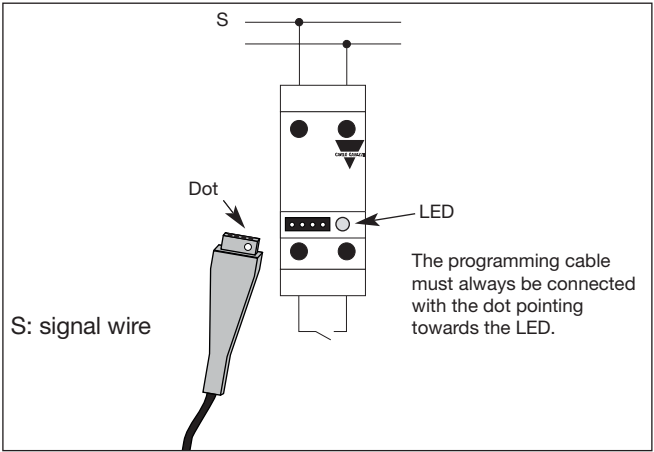
respective data sheet. Please note that a special cable (GAP-TPH-CAB) is required to connect the GAP 1605 to the programming plug behind the front plate of G 5010 1106. The channel address for the input is selected under I/O-1 on the GAP 1605 and the channel address for the LED output under I/O-5.

If an address is assigned to I/O-3 or I/O-4, this address will be activated continuously.

**Accessories**

Programming cable  
to GAP 1605                      GAP-TPH-CAB

**Wiring Diagram**



**Dimensions (mm)**

