# Transmitter for Digital Signals
# Type G 5010 1106

**Dupline**®
*Fieldbus* | *Installationbus*



- 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 is 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 | Ordering No. 1 channel Contact |
|---|---|
| Supplied by Dupline® | **G 5010 1106** |

## Supply Specifications

| Power supply | Supplied by Dupline® |
|---|---|
| Current consumption | |
| with LED OFF | Typ. 150 µA |
| with LED ON | Typ. 1.2 mA |

## Input Specifications

| Inputs | 1 contact |
|---|---|
| Open loop voltage | 5.3 to 7.6 VDC |
| Short-circuit current | 17 µA |
| Operating time for signal "1" | < 1 pulse train + 10 ms |
| Operating time for signal "0" | < 1 pulse train + 500 ms |
| Contact resistance | < 1 kΩ |
| Cable length | < 3 m |
| Dielectric voltage | |
| Input - Dupline® | None |

## General Specifications

| Environment | |
|---|---|
| Degree of protection | IP 20 |
| 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% |
| **Mechanical resistance** | |
| Shock | 15 G (11 ms) |
| Vibration | 2 G (6 to 55 Hz) |
| **Dimensions** | 49 x 22.5 x 56 mm (L x W x H) |
| **Material** | PC/ABS blend |

Specifications are subject to change without notice (28.09.99)
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## 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 pro-grammer 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.

## Wiring Diagram



S: signal wire
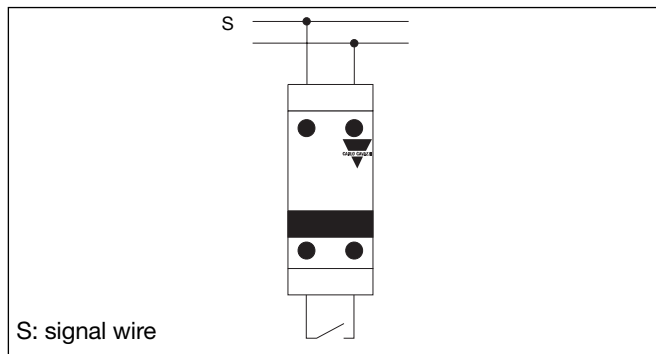
## Accessories

Cable
connection to GAP 1605    GAP-TPH-CAB
DIN-rail    FMD 411