

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 are only 4 terminals on the module: 2 for Dupline® and 2 for the input.

Type Selection

Supply	Ordering No. 1 channel Contact
Supplied by Dupline®	G 5010 1106

Input Specifications

Inputs	
Open loop voltage	1 contact
Short-circuit current	2.5 VDC
Operating time for signal "1"	17 µA
Operating time for signal "0"	< 1 pulse train + 10 ms
Contact resistance	< 1 pulse train + 500 ms
Input pulse prolongation	< 1 kΩ
Cable length	min. 272 ms
Dielectric voltage	< 3 m
Input - Dupline®	None

Ordering Key

G 5010 1106

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

Supply Specifications

Power supply	Supplied by Dupline®
Current consumption	
with LED OFF	Typ. 450 µA
with LED ON	Typ. 1.2 mA

General Specifications

Environment	IP 20 Degree of protection Pollution degree Operating temperature Storage temperature	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

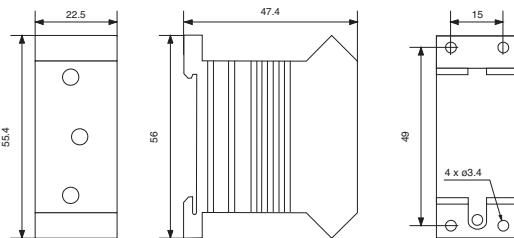
Dupline®-powered 1-channel transmitter with contact input. There is a built-in pulse-prolongation on the input to ensure that even short input pulses are transmitted. On the front of the module there is a red LED which can be coded to indicate the status of any Dupline®-channel. The input and the LED 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.

Dimensions (mm)

Mini E-housing



Accessories

Programming cable
to GAP 1605

GAP-TPH-CAB

Wiring Diagram

