Dupline® Field- and Installationbus Transmitter for Digital Signals Type G 5010 1106

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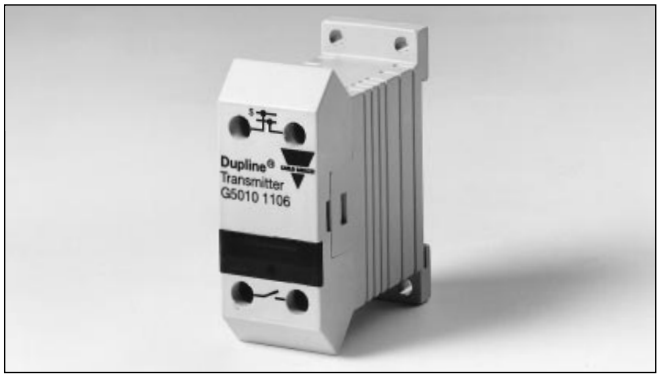


- **Single channel transmitter**
- **Contact input**
- **Input pulse prolongation**
- **Codeable LED output e.g. for feedback purposes**
- **Supplied by Dupline, no external supply required**
- **Mini-E housing**
- **Direct wall or DIN-rail mounting**
- **Channel coding by GAP 1605**

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

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

Supply Specifications

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

General Specifications

Environment	
Degree of protection	IP 20
Pollution degree	3 (IEC 664)
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

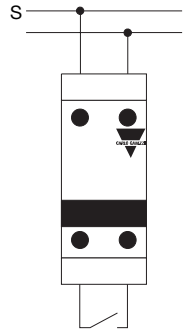
Mode of Operation

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.

Accessories

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

Wiring Diagram



S: signal wire

Specifications are subject to change without notice