

Transmitter for Digital Signals Type G 5010 2206



- Dual channel transmitter
- Contact inputs
- 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 dual channel transmitter in Mini-E housing with contact inputs. Especially well suited in places where no power supply is available. On each input, there is a built-in pulse prolongation which ensures that even short input pulses are transmitted. Upon activation of an 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.

Ordering Key

G 5010 2206

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

Type Selection

Supply	Ordering No. 2 channels Contact
Supplied by Dupline®	G 5010 2206

Supply Specifications

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

Input Specifications

Inputs	2 contacts
Open loop voltage	2.5 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
Input pulse prolongation	min. 272 ms
Cable length	< 3 m
Dielectric voltage	
Input - Dupline®	None

General Specifications

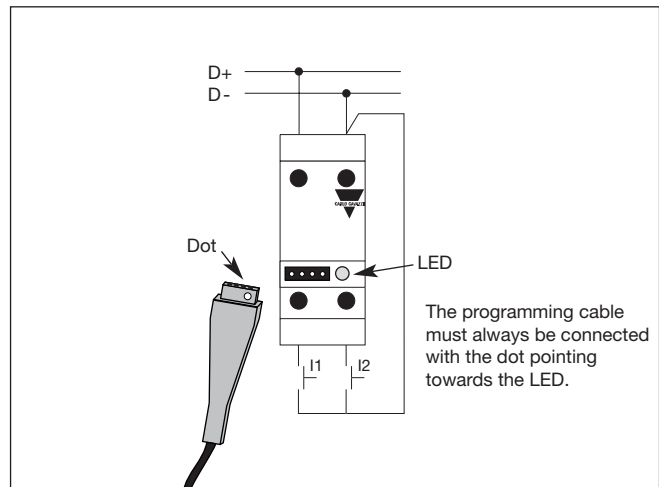
Environment	
Degree of protection	IP 20
Pollution degree	3 (IEC 60664)
Operating temperature	-20° to +50°C (-4° to +122°F)
Storage temperature	-50° to +85°C (-58° to +185°F)
Humidity (non-condensing)	20 to 80%
Mechanical resistance	
Shock	15 G (11 ms)
Vibration	2 G (6 to 55 Hz)
Dimensions	49 x 22.5 x 56 mm (L x W x H)
Material	PC/ABS blend

Mode of Operation

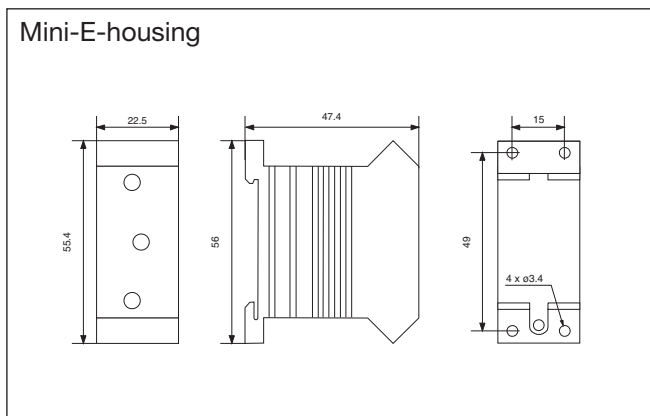
Dupline®-powered dual channel transmitter with contact inputs. There is built-in pulse prolongation on each input to ensure that even short input pulses are transmitted. The inputs and the LED output can be coded individually by means of the code programmer GAP 1605. For details, please refer to the 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 2206.

The channel address for the inputs is selected under I/O-1 and I/O-2 on the GAP 1605. If an address is assigned to I/O-3 or I/O-4, this address will be activated continuously. On the front of the module there is a red LED which can be coded to indicate the status of 2 Dupline® channels. The LED output can be an OR-function of the 2 inputs. This is achieved by assigning the same addresses to I/O-5 and I/O-6, as have been assigned to I/O-1 and I/O-2.

Wiring Diagram



Dimensions (mm)



Accessories

Programming cable
to GAP 1605
DIN-rail

GAP-TPH-CAB
FMD 411