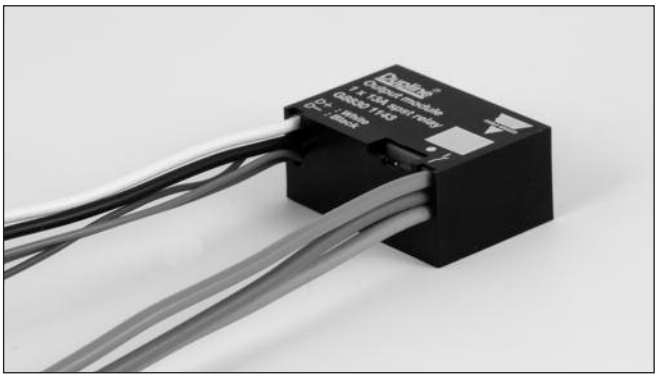
Remote Transceiver
Type G 8840 5549



- **Small sized transceiver**
- **Output load: 8 A/24 VDC or 8 A/24 VAC**
- **Powered via Dupline®**
- **Address coding by GAP 1605**
- **3 contact inputs**
- **1 tamper module monitoring channel**

Product Description

The Dupline® decentral transceiver has a build-in SPDT relay for control of a load of up to 8 A/24 VDC/VAC. The module is especially designed for use in prison applications where it allows a flexible installation concept featuring a separate power and signal (control) bus. The compact size of the module makes it possible to fit it in a cell door application.

Ordering Key

G 8840 5549

Type: Dupline®
Housing
Transceiver
No. of channels/in- and outputs
Output type

Type Selection

Ordering no.	
5 channels	
8 A/24 VDC / VAC	
G 8840 5549	

Output Specifications

Output	1 SPDT relay
Contact ratings (Ag/Ni 90/10)	µ (micro gap)
Resistive load	8 A/24 VDC / VAC
Mechanical lifetime	> $2x10^6$ operations
Electrical lifetime	> $1x10^6$ operations/24 VDC 2A
	> $1x10^5$ operations/24 VDC 8A
Minimum load (recommended)	10 mA/12 V
Operating frequency	≤ 60 operations/minute
Response time	1 pulse train

Supply Specifications

Supplied by Dupline®	
Normal consumption	≤ 1.6 mA
Charge consumption	≤ 3.1 mA (for max 1 s after relay state change)
Power-on delay	Typ. 2 s
Power-off delay	≤ 1 s

Input Specifications

Inputs	3 contacts + one tamper channel (I/O 5-8)
Open loop voltage	2 to 3 VDC
Short-circuit current	25 µA
Operating time for signal "1"	≤ 1 pulse train + 10 ms
Operating time for signal "0"	≤ 1 pulse train + 110 ms
Contact resistance	≤ 1 kΩ
Cable length	≤ 3 m
Dielectric Voltage	
Inputs - Dupline®	None
Inputs - Output	≥ 200 VAC (rms)
Dupline® - Output	≥ 200 VAC (rms)

General Specifications

Environment	
Pollution degree	3 (IEC 60664)
Operation temperature	0° to +50°C (32° to 122°F)
Storage temperature	-50° to +85°C (-58° to 185°F)
Humidity (non-condensing)	20 to 80%
Housing	
Material	Noryl GFN 1, black
Dimensions (h x w x d)	26 x 39 x 17 mm

Mode of Operation

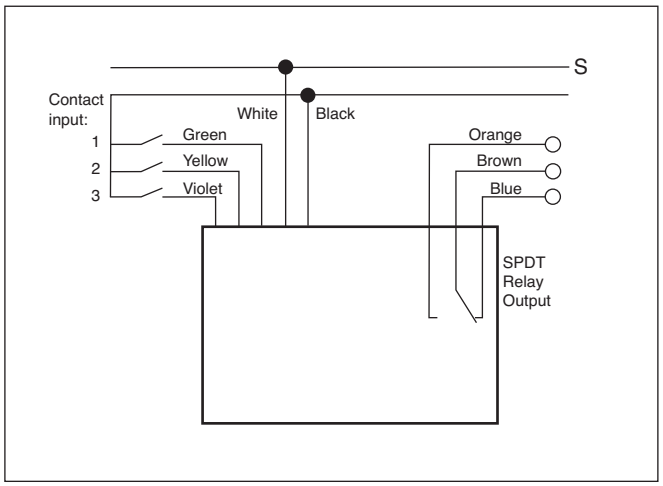
The in- and output addresses and fail-polarity may be coded by means of the code programmer GAP 1605, with GAP-THP-CAB cable.
Upon loss of the Dupline® carrier, the output goes to the predefined fail-polarity.
The three contact inputs are located on in/out 5, 6 and 7 on the GAP 1605.

Tamper channel: If a channel is programmed on in/out 8, it will be transmitted as long as the module is connected to Dupline.

Wire Connections

Bus:	White = Dupline® signal Black = Dupline® GND
Output:	Brown - Blue = Relay contact-set NC Brown - Orange = Relay contact-set NO
Bus wires:	2 x 0.75 mm², 250 V isolation, single core, 150 mm
Output wires:	3 x 1.5 mm² , 250 V isolation, single core, 150 mm
Input wires:	3 x 0.25 mm² , Multi core, 150 mm

Wiring Diagram



Channel Configuration

On GAP 1605 the in/out configuration is as follows:

In/out 1:	Relay output.
In/out 5:	Contact input 1. Green wire.
In/out 6:	Contact input 2. Yellow wire.
In/out 7:	Contact input 3. Violet wire.
In/out 8:	Tamper channel (built-in)

Dimensions