

Output Module Type G 3430 5545



- 8-channel receiver
- Relay load: 16A
- Module load: 32A (16A per relay group)
- Galvanically separated SPST relay outputs
- H4-housing
- For mounting on DIN-rail (EN 50022)
- LED-indications for supply, Dupline® carrier and outputs
- AC power supply
- Address coding by GAP 1605

Product Description

Dupline receiver® designed to be a part of the Dupline® concept for Building Automa-

tion. SPST relay outputs for control of 8 loads of up to 250 VAC/16 A.

Ordering Key

G 3430 5545 024

Type: Dupline®
H4-housing
Receiver
Number of channels
Output type
Power supply

Type Selection

Supply	Ordering no.
24 VAC	G3430 5545 024
115 VAC	G3430 5545 115
230 VAC	G3430 5545 230

Output Specifications

Outputs	8 SPST relays
Isolated in:	2 groups of 4
Contact ratings (AgSnO2)	μ (micro gap)
Resistive loads AC1	16 A
Mechanical lifetime	5x10 ⁶ operations
Electrical lifetime	1x10 ⁵ operations/250 V, 12 A
Minimum load	100 mA/12 V
Operating frequency	60 operations/min.
Dielectric voltage	
Outputs – Dupline®	≥ 4 kVAC (rms)
Response time	≤ 1 pulse train

General Specifications

Fail polarity state delay	
Upon loss of Dupline® carrier	≤ 20 ms
Power ON delay	typ. 2s
Indication for:	
Supply ON	LED, Green
Dupline® carrier	LED, Yellow
Output ON	LED, red (one per output)
Environment	
Degree of protection	IP20
Pollution degree	3 (IEC 60664)
Operating temperature	-5 to +50°C (+23° to + 122°F)
Storage temperature	-50 to +85°C (-58° to + 185°F)
Humidity (non-condensing)	20 - 80%
Mechanical resistance	
Shock	5 G (11ms)
Vibration	2 G (6 to 55Hz)
Housing	H4-housing
Weight	400g

Supply Specifications

Power Supply	Overvoltage cat. III (IEC 60664)
Rated operational voltage	230 VAC, +/- 10% (IEC 60038)
Through term. 21 & 22	115 VAC, +/- 10% (IEC 60038)
	24 VAC, +/- 10%
Frequency	45 to 65 Hz
Rated operational power	Typ. 2,5 VA
Rated impulse withstand	
Voltage	230 4 kV
	115 2,5 kV
	024 800 V
Dielectric voltage	
Supply – Dupline®	≥4 kVAC (rms)
Supply – Outputs	≥2 kVAC (rms)

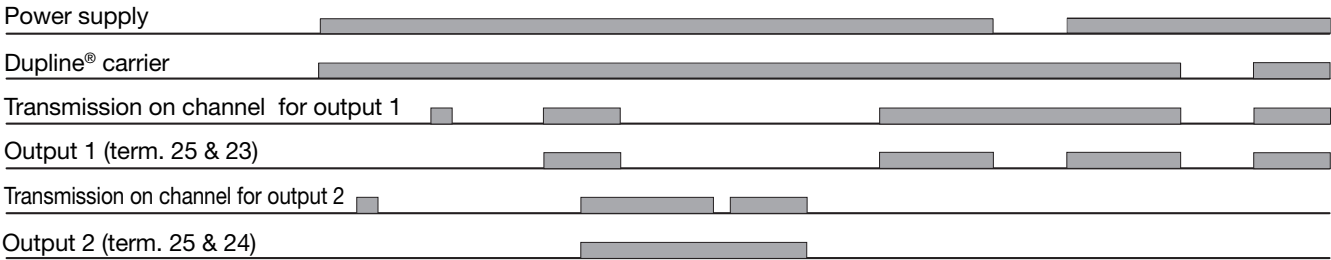
Mode of Operation

8-channel receiver with 8 normally open contact outputs. Each output is coded by means of the code programmer GAP 1605. For changing the default setting, please refer to the datasheet on GAP 1605.

The outputs are normally OFF. When a transmitter coded to the selected channel is activated, the output turns ON and remains ON until the

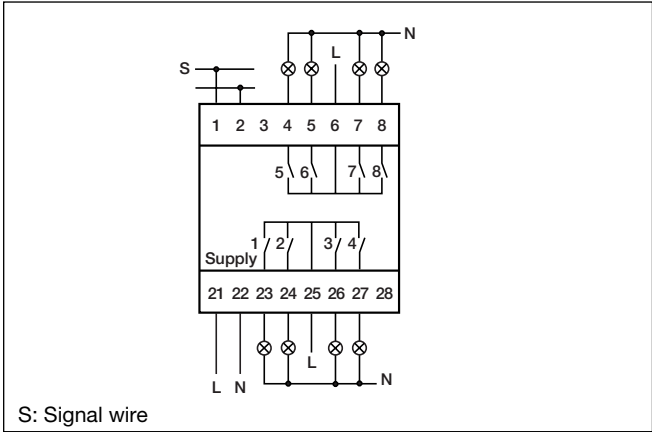
respective channel becomes deactivated. The default setting is such that upon loss of Dupline® carrier all the outputs go OFF.

Operation Diagram



Wiring Diagrams

8 channels G 3430 5545 ...
SPST relay output



S: Signal wire

Default setting (fail polarity): OFF

Accessories

DIN-rail FMD 411

For further information, see "Accessories".