

OM1 – ON/OFF CONTACTS



The OPTRAL Series OM1 allows the control of seven (7) ON/OFF contacts over multimode optical fibre. The basic system consists of one transmitter and one receiver. The transmitter includes a free of voltage connector to control the state of the relays in the receiver.

All the models comply with the requirements according to the Electromagnetic Compatibility and Low Tension Standards (CE Marking).

FEATURES

- Multimode optical fibre
 - Wavelength 850 nm and 1300 nm
 - Modular Units and Rack Cards
 - Optical connectors: ST ⁽¹⁾
- ⁽¹⁾ For other optical connectors, consult us.

OPERATION / DIMENSIONS

- Temperature = 0° ÷ +50°C
- Humidity = 10% ÷ 90%
- Power:
 - Transmitter: 12 Vdc / 200 mA
 - Receiver: 12 Vdc / 350 mA
- Size Stand-alone:
 - Box S = 105 x 95 x 32 mm
- Rack Card = 1 Slot Rack

COMMUTATION CHARACTERISTICS

- Contacts: 7
- Connectors: 14 pin (step 3.5 mm)
- Transmitter
 - Optocoupled input free of voltage.
- Receiver
 - Isolated relay.

ACCESORIES (NOT INCLUDED)

- Modular units (Power Supplies)
 - Transmitter Box S: PS150
 - Receiver Box S: PS155
- Rack card
 - Card Cage 3U (Rack 19"): PR100

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AVAILABLE MODELS

PART NUMBER	DESCRIPTION	FORMAT	NUMBER FIBRES	MAXIMUM ATTENUATION ⁽²⁾	WAVELENGTH
OM101-TB1	Transmitter 7 channels ON/OFF	Box S	1	17 dB	850 nm
OM101-RB1	Receiver 7 channels ON/OFF				
OM101-TR1	Transmitter 7 channels ON/OFF	Rack			
OM101-RR1	Receiver 7 channels ON/OFF				
OM101-TB2	Transmitter 7 channels ON/OFF	Box S			1300 nm
OM101-RB2	Receiver 7 channels ON/OFF				
OM101-TR2	Transmitter 7 channels ON/OFF	Rack			
OM101-RR2	Receiver 7 channels ON/OFF				

⁽²⁾ Maximum attenuation at 62.5/125. For 50/125 reduce optical budget by 3dB.

Box S = 105 x 95 x 32 mm

