

## OS1 – ON/OFF CONTACTS



The OPTRAL Series OS1 allows the control of seven (7) ON/OFF contacts over singlemode 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**

- Singlemode optical fibre
- Wavelength 1310 and 1550 nm
- Modular Units and Rack Cards
- Optical connectors: FC

### **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 <sup>(2)</sup>	WAVELENGTH
OS101-TB3	Transmitter 7 channels ON/OFF	Box S	1	17 dB	1310 nm
OS101-RB3	Receiver 7 channels ON/OFF				
OS101-TR3	Transmitter 7 channels ON/OFF	Rack			
OS101-RR3	Receiver 7 channels ON/OFF				
OS101-TB4	Transmitter 7 channels ON/OFF	Box S			1550 nm
OS101-RB4	Receiver 7 channels ON/OFF				
OS101-TR4	Transmitter 7 channels ON/OFF	Rack			
OS101-RR4	Receiver 7 channels ON/OFF				

Box S = 105 x 95 x 32 mm

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