

Mini Sensor Controlled Relay (MSCR)



Mini Relay Controlled by Sensor Status

Drive larger relays with a low current output from the sensorProbeX+

If you have an equipment with a relay that you would like to switch based on a sensor input, this adapter will output 200mA - 5V DC based on a sensors status. Use this smaller relay as to drive the larger relay on your appliance.

MSCR - Technical Specification

Configuration	2 position switch configurations - 1. 5V and GND contacts (0.2A) - 2. Free contacts
Output	3 pin terminal Block - NO, NC, COM - 5V, GND, COM
Free Contact Voltage	24 VDC, Maximum 30 VDC 120 VAC
Relay Ratings	Contact Rating – + Contact Rated Load is 1Amp at 24 VDC + Contact Rated Load is 1Amp at 120 VAC Max. Operating Voltage 30 VDC, 120 VAC Max. Operating Current 1 Amp Max. Switched Power: 24W / 120VA.
Status Indication	LED indication for Relay active state
Operating Temperature	-40°C to 80°C
Storage Temperature	-40°C to 80°C
Endurance	Max. Switching Rate: + 300ops./ min. (no load). + 30ops./ min. (rated load). Expected Mechanical Life: 5 million ops (no load). Expected Electrical Life: 100,000 ops (rated load). Minimum Load: 1mA @ 1VDC.
Interface	
Communications cable	RJ-45 jack to sensor using UTP CAT5e/6 cable
Power source	Powered by the controller unit. No additional power needed
Power Consumption	Typical 150 mWatt, 30 mA
Maximum Cable Length	The Sensor Controlled Relay can be extended from the RJ-45 Intelligent Sensor ports on the base units up to 100 feet, or 30 meters using standard CAT5/6 LAN cable
Dimensions	56 x 55 x 33.3 mm
Mounting	DIN rail mounting Screw mounting
Sensor count	1

MSCR - Technical Drawing

