

AC Sensor Controlled Relay (PRB00-ACO)



The AC-Sensor Controlled Relay controls the electrical power to devices over the Internet. Easy configuration & integration with sensorProbe product series, It defines a new era in energy management.

The AC-Sensor Controlled Relay provides 1 high power SPST 5V relay. It includes Metal Oxide Varistors (MOVs) and Snubber circuits to protect the open contact of the relays from the high voltage spikes or noise transients.

Technical Specifications

Input Voltage	110-220VAC - IEC C14
Output Voltage	110-220VAC - IEC C13
Relay Ratings	IEC connector rating is 10 Amps for 220 VAC and 10 Amps for 110 VAC Contact Material AgCdO Carry Current 10 Amps Max. Operating Voltage 250 VAC Max. Operating Current 10 Amps Relay Contact Max. Switching Capacity + 16A@250VAC with Resistive Load, + 8A@250VAC with Inductive Load (P.F=0.4) 10 Amps Fuse 380 VAC, 125 VDC
Status Indication	LED indication for input voltage LED indication for output voltage LED indication for sensor power LED indication for Relay state
Operating Temperature	-40°C to 70°C
Storage Temperature	-40°C to 70°C
Endurance	Max. Switching Rate: + 18,000ops./ min. (no load). + 1,800ops./ min. (rated load). Expected Mechanical Life: 20 million ops (no load). Expected Electrical Life: 100,000 ops (rated load).
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 471.00 mWatt, 94.20 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	115 x 80 x 40 mm
Sensor count	1

PRB00-ACO - Technical Drawing

