DC Sensor Controlled Relay (PRB00-DCO)

Control the power to devices managed over the Internet. With easy configuration and integration with AKCP base units.

The Sensor Controlled Relay is easily controlled by any of AKCP's extensive selection of sensors. The relay can provide automatic responses to sensor alerts. This is useful, for example, to switch on the fan when the room temperature rises beyond the threshold level or to turn on a light when the motion detector is triggered. Setting up the Sensor Controlled Relay is easy with its built in autosense feature and user friendly web interface.

Technical Specifications

Input Voltage	up to 125 VDC
Output Voltage	up to 125 VDC

Relay Ratings	Contact Rating – Contact Rated Load is 10 Amps at 30 VDC
	Contact Material AgCdO
	Carry Current 10 Amps
	Max. Operating Voltage 125 VDC
	Max. Operating Current 10 Amps
	Relay Contact Max. Switching Capacity
	  + 480W with Resistive Load,
	  + 350W with Inductive Load (L/R = 7 ms)
	10 Amps Fuse 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-DCO - Technical Drawing

69mm

104mm

DC Sensor Controlled Relay

Vctrl
+VCC

AKCP
Power.Sensors.Security

Output
Input

80.7mm

39mm

Input Line Voltage

+ -

114.5mm

Fuse

Fuse