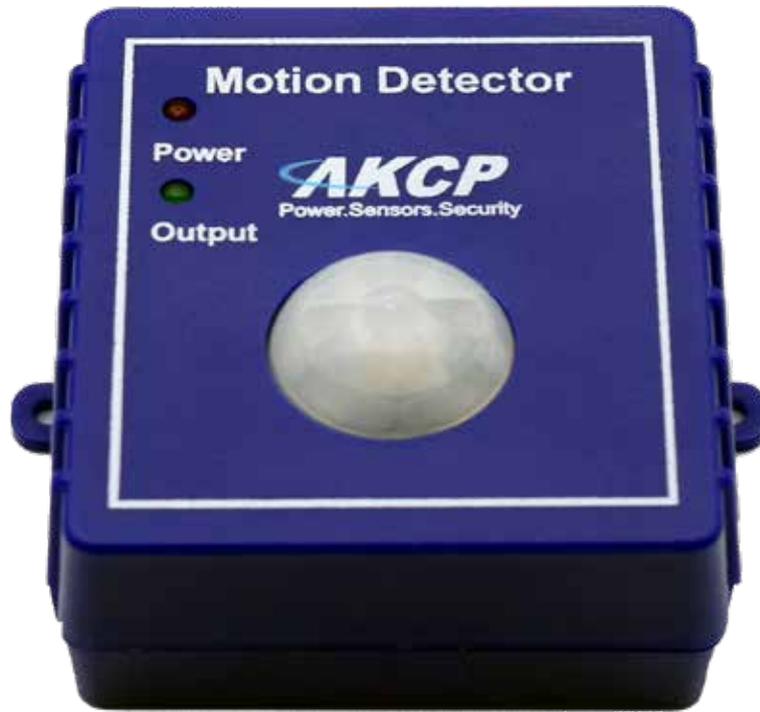# Motion Detector (MD00)

Infrared motion detection, is a hardware based motion detection technology that will detect movement up to 3 meters away. MD00 can be daisychained together with a maximum of 10 in a single string, meaning a single sensor port can support 10 motion sensors. When one motion sensor in the string is in critical state the whole string will show as critical.

Motion detectors can be used as a trigger of alarms and actions through the AKCP Base Unit. A siren and strobe light connected to the sensorProbe for example can be triggered based on the motion detectors status. Sensor controlled relays can be turned on, meaning that the motion detector can also be used to trigger any DC or AC powered device, whether it be an alarm or light.

Motion Detector (MD00) - Technical Specification

Measurement Range	Alarm or Normal
Sensor Type	Infrared sensor dual element High sensitivity
Detection angle	60°
	Maximum working distance is 3 m (9 Ft) High RFI immunity
Daisy Chainable	Up to 10 Motion Detector Sensors on a single port
	-20 °C~50 °C 4 °F~122 °F
Interface	
Operation Temperature	
Communications Cable	RJ-45 jack to sensor using UTP Cat 5 wire
Communications Cable Max. length	With approved low capacitance shielded cable or UTP Maximum cable length of single motion detector sensor is 300 m (100 Ft) Maximum total cable length of a string of 10 motion sensors is 46 m (150 Ft) Maximum length of cable between each motion sensor should less than 6 m (20 Ft)
Power Source	Powered by the controller unit. No additional power needed
	Full autosense including disconnect alarm
Power Consumption	Typical 50 mWatt, 10mA
Dimensions	65(W) x 62(H) x 15(D) mm
Weight	Wall/ceiling mounted design DIN rail mounting Screw mounting
Sensor count	1

Motion Detector

MD00 - Technical Drawing

Motion Detector

Power

Output

AKCP
Power.Sensor.Security

61.73mm

64.7mm

34.3mm

71.8mm

39.5mm