

DS-PDP18-EG2(B) Wired PIR Detector



- Modern design - Delivers a small and sleek detection solution; providing a modern yet unobtrusive finish to complement any room.
- Detection range - Up to 18m volumetric detection coverage, the Ellipse is the ideal solution for any small to large indoor rooms and spaces.
- Digital temperature compensation – Digitally adjusts its sensitivity to maintain its specified range when the background temperature is close to body temperature.
- Automatic sensitivity - self-adapts to changing environmental conditions to maintain stability and intruder catch performance.
- 3D optics - Improves the detection of moving targets; ensuring more precise signals can be received from the PIR by enabling the perfect focusing of the infra-red signal onto the pyro-electric sensor.
- Creep-zone protection - covers the blind spot area directly below it, where an intruder may have otherwise avoided detection.
- Selectable EOL resistors - incorporates selectable alarm resistor values of 1K, 2K2, 4K7, 5K6 and 8K2, as well as tamper resistance values of 1K, 2K2, 4K7 and 5K6; catering for most control panels on the market.
- Wall and ceiling mount options - can be fitted at a mounting height of 1.8m to 2.4m . There is also a ceiling mount option available if required.
- Anti-insect interference - Protects the detector from possible insect infestation, as well as shielding air movement in front of its pyro-electric sensor and protecting against adverse reflections from inside the detector housing.
- Wide voltage - 9 to 16 V wide voltage adaptation with polarity reverse connection protection
- IFT technology - automatically adjust the upper and lower alarm trip thresholds when exposed to electromagnetic or electrical interference and shift the thresholds before the detector goes into false alarm.

▪ Specification

Detection performance	
Detection range	18m
Detection Angle	85.9°
Velocity range	0.3~2m/s
Sensitivity adjustment	high;auto;low
Pet Immunity	15KG
White light filter	6500 lux
Digital temperature compensation	Support
Digital processing	Support
Detection method	Passive Infrared
Communication	
Transmission method	Wired
Software features	
Tamper-Proof	Front
Hardware features	
Alarm output	Normally close
Indicator	Blue(alarm)
Electrical characteristics	
Storage temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Operation temperature	-10 °C to 55 °C (14 °F to 131 °F)
Typical voltage	12 VDC
Operation humidity	10% to 90%
Power supply	9 to 16 VDC
Power consumption	Maximum current: 12mA @12VDC Quiescent current: 11mA @12VDC
General	
Application scenario	Indoor
Dimension (W×H×D)	65.4mm × 86.8mm × 45.5mm
Weight	68g
Mounting height	1.8 to 2.4 m
Mounting method	Wall,Ceiling
Bracket	Optional wall & ceiling accessory
Sealed optics	Support
Shell material	PC+ABS

▪ Available Model

DS-PDP18-EG2(B)

DS-PDP18-EG2(B)/黑色



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