

Intrinsically Safe PIR Detector - IS2000



Intrinsically safe PIR with 15m x 90 degree detection range. Designed and manufactured to very stringent standards that allow their use in Zone 0, 1 and 2 areas. Must be used with a ZE Interface.

- Designed and manufactured to very stringent standards
- Suitable for use in hazardous areas:
 - Zone 0, 1 and 2 areas
 - Gas groups IIA, IIB and IIC
 - North American divisions 1,2 and 3, groups A,B,C,D,E,F and G
- Enclosed in a very robust cast aluminium IP65 enclosure
- 15m x 90 degree detection range
- Must be used with a suitable ZE Interface
- Suitable for both external and internal use
- Supplied complete with wall mounting bracket and installation instructions
- Fully compatible with the Voltek range of products below:
 - ZE1-1 to ZE2-6 Interface units

Range	18mx90°
Operating Voltage	7V-15V DC
Current Consumption	6mA Max
Output	-VE trigger
Optics	Dual element thermally stabilised sensor with UV protected fresnel, high density optics
Weatherproofing	IP67 dust and watertight enclosure
Enclosure	Aluminium
Dimensions (w x h x d)	100mm x 150mm x 100mm excluding bracket
Weight	2.5KG
Pack Contents	PIR, bracket and installation instructions

Interface for 1 x IS2000 - ZE1-1



Provides an approved and easy method of connecting 1 x IS2000 PIR sensor to the outside world. Contains the correct zenner barrier to ensure no dangerous voltage or current enters the hazardous

- Approved and easy method of connecting 1 x IS2000 PIR sensor to the outside world
- Contains 1 zenner barrier to ensure no dangerous voltage or current enters the hazardous area.
- Normally closed or normally open voltage free relay output for each PIR
- Adjustable pulse count facility and LED indication
- Supplied complete with installation instructions
- Suitable for both external and internal use
- Fully compatible with the Voltek range of products below:
 - IS2000 PIR sensors

Operating Voltage	12Vdc (+3V, -2V)
Current Consumption	100mA (Max)
Output	Voltage free normally closed relay
Output Z (Closed)	200mOhms
Output Z (Open)	10 ¹⁶ Ohms
Relay V Max	200Vdc
Relay I Max	0.5A
Enclosure Size (w x h x d)	280mm x 190mm x 130mm
Weight	1.5KG approx
Enclosure Material	Polycarbonate
Zener Barrier Description	
Barrier	DC Double
V Max	15Vdc
I Max	150mA
Impedence	100Ohms
Pack Contents	Interface Unit and installation instructions

Interface for 3 x IS2000 - ZE1-3



Similar specification to the ZE1-1 but this unit allows connection to 3 x IS2000 PIR Sensors. Also has individual outputs for each sensor

- Similar specification to the ZE1-1 but this unit allows connection to 3 x IS2000 PIR Sensors
- Has individual outputs for each zone

Operating Voltage	12Vdc (+3V, -2V)
Current Consumption	100mA (Max)
Output	Voltage free normally closed relay
Output Z (Closed)	200mOhms
Output Z (Open)	10 ¹⁶ Ohms
Relay V Max	200Vdc
Relay I Max	0.5A
Enclosure Size (w x h x d)	280mm x 190mm x 130mm
Weight	1.5KG approx
Enclosure Material	Polycarbonate
Zener Barrier Description	
Barrier	DC Double
V Max	15Vdc
I Max	150mA
Impedence	100Ohms
Pack Contents	Interface Unit and installation instructions