

Product overview

Motion sensor for presence detection in rooms and offices. Model WRF04I specially constructed for wall mounting. Model RDI specially constructed for installation in ceilings. Designed for locking on control and display systems.


Types available

Type code	Type	Description
EXT-TN-1072624	WRF04I	Surface mount motion sensor, PIR
EXT-TN-1071535	RDI	Ceiling mount motion sensor, PIR

Technical data

Standards	CE conformity	- 2004/108/EG electromagnetic compatibility - 2001/95/EG Product safety
	EN conformity	- EN60730-1:2002 EMC - EN60730-1:2002 Product safety
General data	Measuring element	PIR, passive infrared principle
	Coverage	Conical, aperture angle 100°, range 10m, 80 zones. Circular with radius of approximately 3.2m for a mounting height of 2.8 m, partitioned in 80 zones (Diameter D = Mounting height H x 2.3)
	Power supply	DC 15-24V / AC 24V(±10%)
	Clamp	Terminal strip max. 1.5mm ²
	Ambient temperature	-20...+50°C, max. 85% RH non-condensing
	Protection	IP20 according to EN60529
Type WRF04I, RDI	Power consumption	0.5W / 1.1VA
	Output	Dry relay contact (close), max. load 24V / 1A, with fixed after-running time of approximately 8 seconds
	Enclosure	- WRF04I : ABS, colour white similar to RAL9010 - RDI : Ceiling installation ring, metal, colour white
	Weight	- WRF04I : 85g - RDI : 55g

Security advice

The installation and assembly of electrical equipment may only be performed by a skilled electrician. The modules must not be used with equipment that supports, directly or indirectly, human health or life or with applications that can result in danger for people or animals.

Electrical connection

The devices are constructed for the operation of protective low voltage (SELV). For the electrical connection, the technical data of the corresponding device is valid.

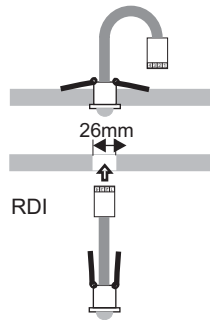
Sensing devices with transducer should in principle be operated in the middle of the measuring range to avoid deviations at the measuring end points. The ambient temperature of the transducer electronics should be kept constant.

The transducers must be operated at a constant supply voltage (±0.2V).

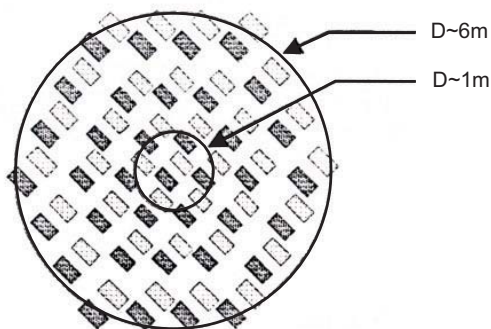
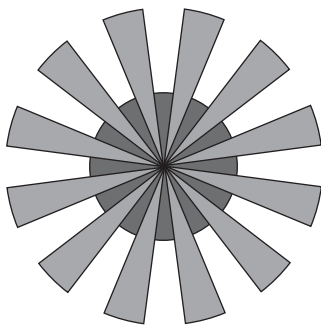
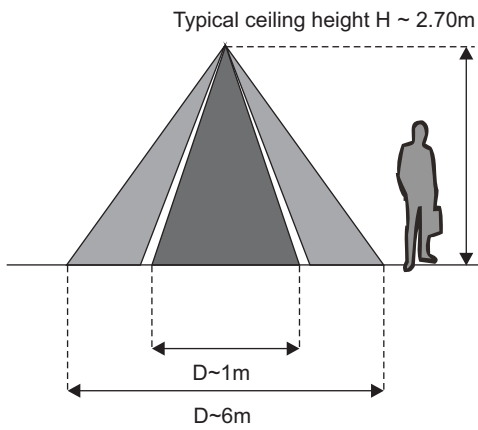
When switching the supply voltage on/off, power surges must be avoided on site.

Mounting advice

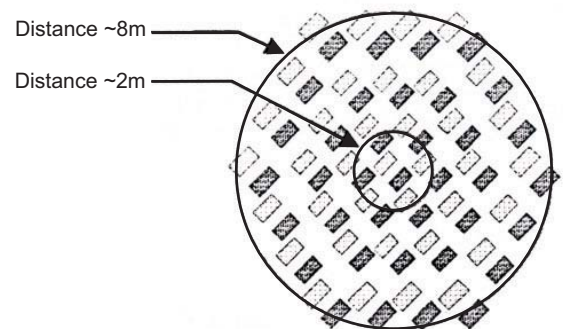
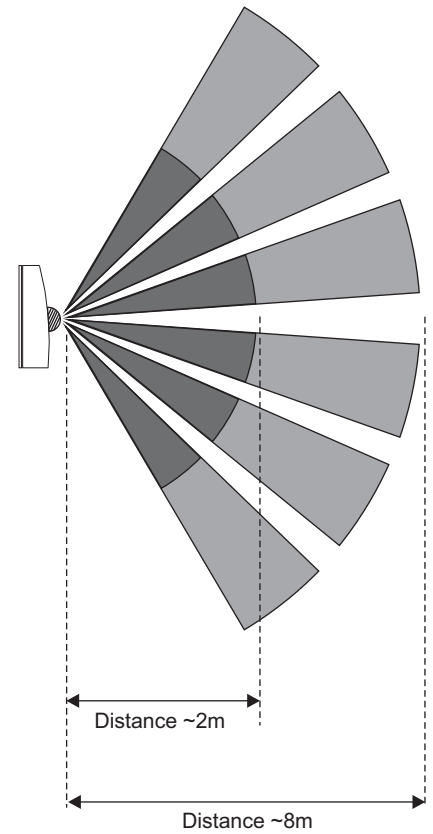
For model WRF04I installation on a standard ISO box is possible.



Detection range



Wall mounting
WRF04I

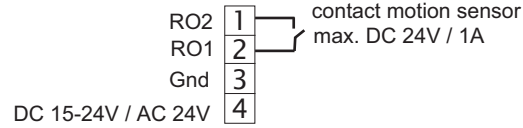


Terminal connection plan

WRF04I

1	2	3	4	5	6	7	8	9	10	11	12
		GND		UV 15-24V= 24V~	Out relay	Out relay					

RDI



Dimensions (mm)

