

**IP54****-40°C
+70°C****IK10**

- Double technology (1 PIR + 1 microwave sensor mounted on independent heads)
- Mounting height from 0.8 up to 2.5m
- Smart lens curtain cover
- Built-in sound tester
- 18m detection range
- Weatherproof IP54
- Operates from -40°C up to +70°C
- IK10 impact proof
- Excellent versatility and reliability
- Fully wire free supervised

DIRRVE-DT is an innovative supervised volumetric detector for outdoor use (IP54 waterproof).

The detection is performed by one passive infrared sensor (PIR) together with a 24GHz microwave, mounted on two completely independent heads, adjustable both horizontally and vertically, each one with its own sensitivity setting.

The heads are combined with logic AND, so that the alarm is triggered only when both the technologies have detected a human movement.

These features provide DIRRVE-DT with great versatility and reliability, eliminating definitively unwanted false alarms, which often limit installation of volumetric detectors outdoor.

Equipped with tamper protection, the device is programmable with a built-in dip-switch for every functional parameter. TEST function with led indicator for each head and acoustic buzzer for simplified installation even in low visibility conditions.

It can be mounted from 80 to 250 cm in height and is IK10-rate maximum resistance to impact.

A lens-cover included allows you to obtain a curtain effect on the PIR head.

Three different versions are available: wire free, wired and universal which can be connected to other wire free systems.



Double technology detector for outdoor protection

DIRRVE-DT v.1



Technical features

Model	DIRRVE-DT	DIRFE-DT	DIRVE-K-DT
Version	Wireless	Wired	Wireless ready (wireless transmitter can be connected and inserted inside the dedicated space on the back of the sensor)
Detection system	1 PIR (passive infrared) + 1 MW (24GHz doppler microwave)		
Detection zones	5 zones for PIR head		
Mounting height	0.8~2.5m		
Coverage	18m (60ft.) -80° wide		
Adjustable heads	Completely independent orientation both horizontally and vertically		
Sensitivity adjustment	Completely independent for each head from 30% (L) up to 100% (H) (by potentiometer)		
Power supply	7.2 Vdc Battery (Lithium-Ion)	8 ÷ 14 Vdc	7.2 Vdc Battery (Lithium-Ion)
Current consumption	< 23 µA standby < 30 mA alarm	< 8,5 mA standby < 50 mA alarm	< 18 µA standby < 40 mA alarm
Life battery	up to 4 year	-	up to 4 years
RF frequency	433,92MHz	-	-
Warm-up Period	Approx. 30sec. (LED blinks)		
Alarm output	Alarm, Tamper, Low Battery, Supervision (Wire free transmissions)	OptoMOS NC switch (40V DC/100mA Max)	OptoMOS NC switch (40V DC/100mA Max)
Tamper output		N.C.	OptoMOS NC switch (40V DC/100mA Max)
Auxiliary output		-	OptoMOS NC switch (40V DC/100mA Max)
Walk-Test indications	2 LED for detection (one for each head) - can be disabled 1 LED for alarm - can be disabled 1 Acoustic buzzer - can be disabled		
Weatherproof	IP54	IP54	IP54 (only main case)
Impact resistance	IK10-rate (impact of a 5 kg weight dropped from 40cm height)		
Tamper operation	(1) Cover detached from unit; (2) Unit detached from wall/pole		
Operative temperature	-40°F to +158°F (-40°C to +70°C) - 95% relative humidity		
Dimensions (H x W x D)	190x85x75mm		190x85x113 mm
Weight	328g		410g
Curtain Lens	included for the PIR head		
Protection Visor	included		
Accessories (optional)	60mm diameter Pole Mounting Kit (mod.KIT-STA) 10° inclination Wall Mounting Kit (mod.KIT-STAM)		