

PLT 24 PASSIVE INFRARED DETECTOR

PLT 24 is a passive infrared detector (PIR) for monitoring occupancy through body heat and movements by people. The sensor detects temperature changes in range of the detection beams.

The relay state changes when the detector gets 2 detection impulses in 5 seconds. This feature eliminates false alarms caused by the sudden temperature changes. The relay hold time can be set to 2 s, 120 s, 600 s or 1200 s.

The detector has two functions: movement detector and occupancy detector. When the occupancy detection function is selected, the detector needs a strong movement detection after which the detector changes more responsive for movements. In movement detection mode, the detector is continuously responsive.

Opening the cover causes an alarm (NC) via tamper loop.

PLT 24 can be installed directly on the wall or on the corner. Mounting bracket and screws are included in the delivery. PLT 24-K is designed for ceiling mountings.

NOTE: Avoid installing the detector to direct sunlight or any lighting resource or highly reflective surfaces. Avoid installing the detector near heating or ventilation and on vibrating surfaces.

Selecting the relay functions:

S1	Relay contact	S2	S3	Hold time
	NC *)			2 s *)
	NO			120 s
				600 s
				1200 s

*) Factory setting.

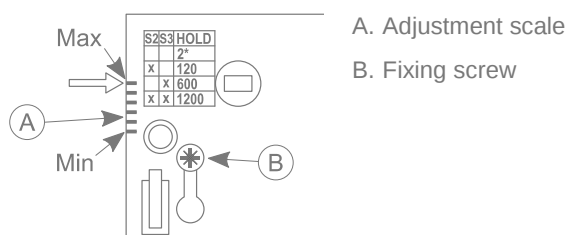
Selecting the detector function:

S4	Function
	Occupancy *)
	Movement

*) Factory setting.

Adjusting the detection distance:

1. Loosen the fixing screw.
2. Move the circuit board.
3. Tighten the fixing screw



Technical data:

Supply	24 Vac/dc (22...28 V)
Power consumption	10 mA
Detection area	100°, 32 beams, 3 levels 1,9...12 m
Relay output (NC* / NO)	< 100 mA, 24 Vac / 60 Vdc
Relay hold time	2 s*, 120 s, 600 s or 1200 s
Function	movement detection / occupancy detection*
Tamper	switch & spring NC contact, 30 Vdc, < 50 mA
Protection class	IP20
Operation temperature	-10...+45 °C
Indication of detection	LED
Dimensions (w x h x d)	62 x 75 x 40 mm

* factory setting

Wiring:

1	supply 24 Vac/dc
2	0 V
3	} tamper loop contacts (NC)
4	
5	} alarm relay contacts, NC*) / NO
6	

*) Factory setting

Ordering guide:

Model	Product number	Description
PLT 24	1185040	PIR movement detector, 12 m
PLT 24-K	1185045	PIR for ceiling mounting

Products fulfill the requirements of directives 2006/95/EC and 2004/108/EY and are in accordance with the standards EN60730-1, EN61000-6-3 (Emission) and EN61000-6-2 (Immunity).