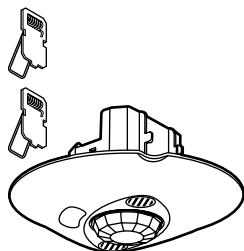


Digital detector - Dual Tech

Catalogue number(s): 0 488 22



CONTENTS	Page
1. Use.....	1
2. Technical features.....	1
3. Overall dimensions.....	1
4. Connection.....	2
5. Installation.....	2
6. Disassembly.....	2
7. Settings.....	3
8. Performance.....	4
9. Configuration.....	4
10. Maintenance.....	5
11. Standards.....	5

1. USE

This device allows a light source to be controlled automatically via a controller through the detection of movement in its surveillance zone.

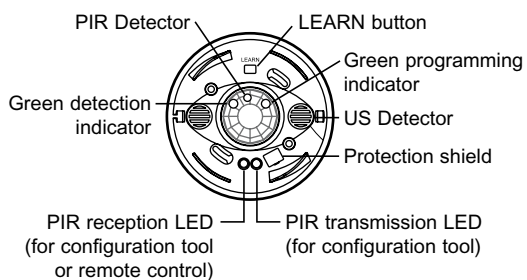
Movement detector with detection angle of 360°.
Detection type: infra-red (PIR) and ultrasound (US)
Assembly type: ceiling

2. TECHNICAL FEATURES

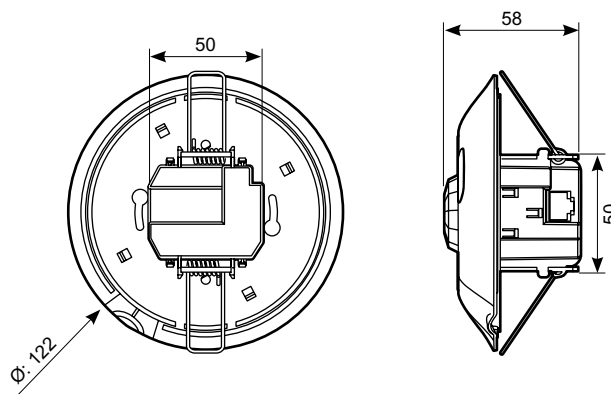
Voltage: 27 V=
No load power consumption: 17 mA
Connection between detector and actuator: RJ 45 lead or cable or BUS/SCS cable to be fitted with RJ 45 connector
Flush-mounting diameter: 65 mm without flush-mounting box, 68 mm with flush-mounting box

Weight: 150 g
Impact resistance: IK04
Penetration by solid and liquid matter: IP20
Usage temperature: -5°C to +45°C
Storage temperature: -20°C to +70°C

Cover removed



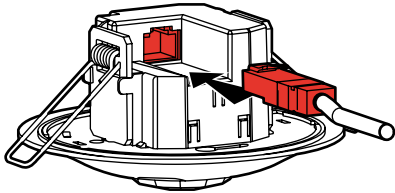
3. OVERALL DIMENSIONS



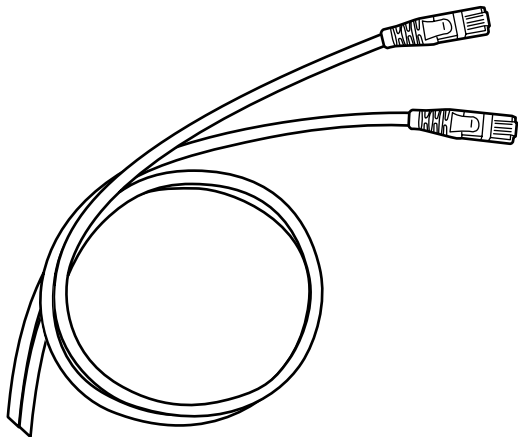
4. CONNECTION

Type of terminals: RJ 45

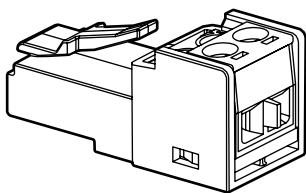
RJ 45



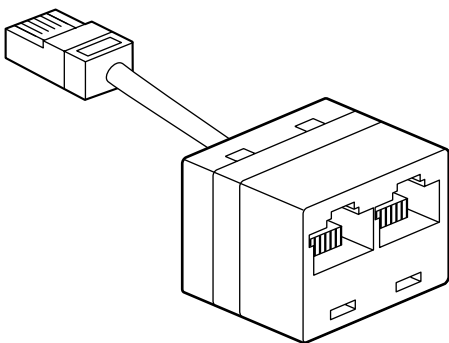
RJ 45 patch and equipment cords



RJ 45 - BUS/SCS connector

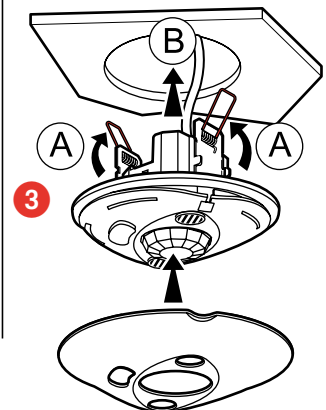
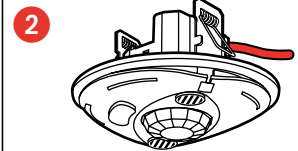
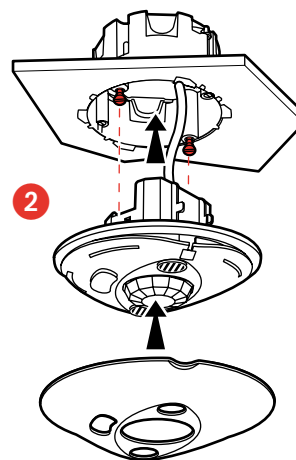
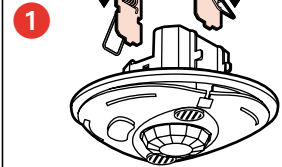
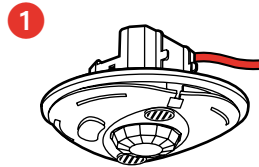
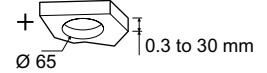


RJ 45 doubler

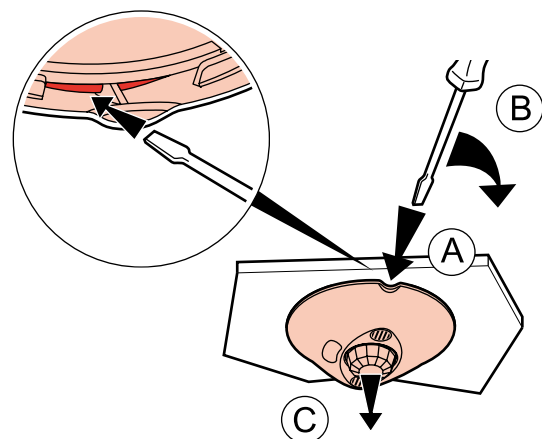


Option: It is possible to manage the detector by infra-red remote control.

5. INSTALLATION



6. DISASSEMBLY



7. SETTINGS

- Parameters:

Detection parameters		Default value	Modifiable parameters	Configuration tools	
				88230	88235
Time delay		15 mins	3,5,10,15,20 mins	-	✓
			30s - 255 h 59 min 59s	✓	-
Sensitivity	US (high)	PIR (very high)	Low, medium, high, very high	✓	✓
Daylight setpoint	500 lux		20, 100, 300, 500, 1000 lux	-	✓
			0 - 1275 lux	✓	-
Modes	Auto on/Auto off	Inactive	Enabled/Disabled	✓	✓
	Walkthrough	Active	Enabled/Disabled	✓	✓
	Manual on/Auto off	Inactive	Enabled/Disabled	✓	✓
	Partial on/Group off	Inactive	Enabled/Disabled	✓	-
Detection scheme	Initial	PIR and US	PIR and/or US, PIR, US	✓	-
	Maintain	PIR or US	PIR and/or US, PIR, US	✓	-
	Retrigger	PIR or US	PIR and/or US, PIR, US, Disabled	✓	-
Alert		Inactive	Enabled/Disabled	✓	-
Advanced mode	Calibration	-	0 - 99995 lux	✓	-
	Light regulation	Inactive	Enabled/Disabled	✓	-
	Provision of light	Auto	Auto - 1275 lux	✓	-
	Loop type	Close loop	Open - Close	✓	-

Time delay: Length of time the load is on after a detection is made.

Sensitivity: Detection range setting.

Daylight setpoint: Value at which the load comes on if light is less than the setting and goes off if it is above this threshold.

Auto on/Auto off mode:

Comes on automatically:

- At the detection of a presence if there is an insufficient natural level of light.

Turns off automatically:

- If no presence is detected and at the end of the time delay set.
 - Or if there is a sufficient natural level of light (activated setting).
- Any new detection causes an automatic switch on if there is insufficient light.

Walkthrough:

- If there is no presence detected in the 3 minutes following an initial detection, the product will cut off after 3 minutes.
- If a new presence is detected in the 3 minutes following the initial detection, the device will cut off at the end of the time delay set.

Manual on/Auto off mode:

Comes on via a manual switch, automatic switch off:

- Where no presence is detected and at the end of the time delay set.

Following switch-off any new detection within a 30 second period will cause the device to be switched on automatically.

After 30 seconds the device is switched on via a manual switch.

7. SETTINGS (continued)

Partial on/Group off mode:

Possibility of controlling one or more lighting points individually.

In this mode it is essential for a lighting group to be created:

- Either by manual teach phase.
- Or from the advanced configuration tool cat. no. 882 30 by using the function "PnL capteur" (PnL detector).

The detector switches the loads on that are linked to it via the actuator. Where there is no detection and at the end of the time delay it switches off all loads in the group to which it belongs.

Initial detection: The load is switched on with the first detection made.

Maintain: The load remains active if any new presence is detected.

Retrigger: Function allowing automatic start of the product at the end of 30 seconds following the load being switched off.

On being switched off any new detection within a 30 second period will cause the device to be switched on automatically.

After 30 seconds the device must be switched on manually.

Rating: The surrounding level of light measured with a luxmeter will then have to be transmitted to the detector.

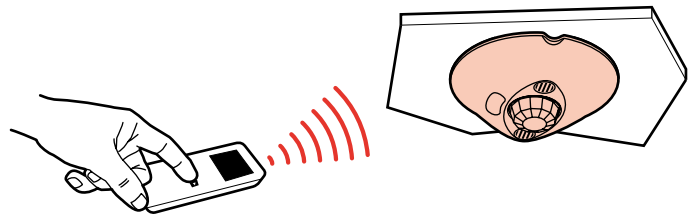
Light regulation : Automatic switch-off of the load 10 minutes after the Daylight setpoint is exceeded. If the level of light is less than the Daylight setpoint, the load is activated automatically after 20 seconds.

Provision of light: Quantity of additional lux brought in by the load being switched on.

Loop type: -Close loop: the sensor reads the value of its own lighting cell for light measurement.

-Open loop: the sensor reads the value of an external lighting cell for light measurement.

- Modification of the parameters by the configuration tools



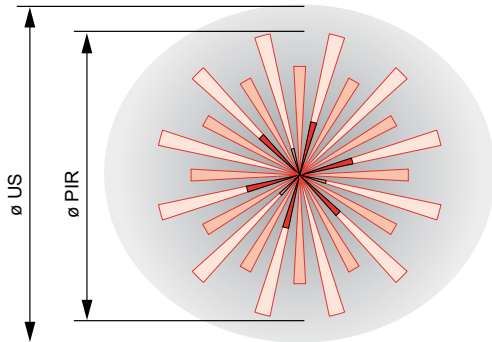
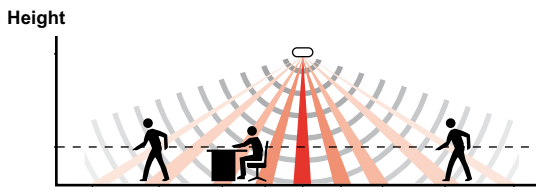
- 882 35: Simplified configuration tool
- 882 30: Advanced configuration tool

When the detector receives an PIR command using the configuration tool it emits a beep acknowledging the modification.

- Return to factory settings:

- 1st press: Where LEARN is pressed for a short period the LED flashes slowly.
- 2nd press: Keep LEARN pressed down for 10 seconds until the LED flashes quickly.

8. PERFORMANCE



- PIR Detection

Height (m)	Sensitivity Low (25%)		Sensitivity Medium (50%)	
	Ø (m)	Surface (m²)	Ø (m)	Surface (m²)
2.5	4	15	6	25
3	5.5	25	6.5	35
4	6.5	35	7.5	45
5	6	30	10.5	90
6	4	15	5.5	25

Height (m)	Sensitivity High (75%)		Sensitivity Very high (100%)	
	Ø (m)	Surface (m²)	Ø (m)	Surface (m²)
2.5	6.5	30	8	50
3	8.5	60	11.5	100
4	12.5	125	14	155
5	12	115	16.5	215
6	8.5	60	12.5	125

- US Detection

Height (m)	Sensitivity Low (25%)		Sensitivity Medium (50%)	
	Ø (m)	Surface (m²)	Ø (m)	Surface (m²)
2.5	4	15	4	15
3	6	30	6	30
4	6	30	6	30
5	6	30	6	30
6	0	0	6	30

Height (m)	Sensitivity High (75%)		Sensitivity Very high (100%)	
	Ø (m)	Surface (m²)	Ø (m)	Surface (m²)
2.5	6	30	11	95
3	8	50	13	150
4	10	80	13	150
5	10	80	13	130
6	10	80	13	130

9. CONFIGURATION (MYHOME_Suite software)

Module enabling	Yes - No			
Function type	Stand alone presence sensor Scenarios daylight and presence sensor Scenarios daylight sensor Scenarios presence sensor Stand alone daylight sensor Stand alone daylight and presence sensor			
Addressing type	Point to point	Area	0 - 10	
		Light point	0 - 15	
	Group	Group number	0 - 255	
		Referent area address	0 - 10	1 address of the group
		Referent light point add	0 - 15	
		Enable secondary group	Yes - No	
		Group sensor 1	0 - 255	
		Group sensor 2	0 - 255	
Enable load control	Enabled - Disabled			
Operating mode				
PIR sensitivity				
US sensitivity				
Initial detection				
Maintain detection				
Retrigger	See Chapter 7 SETTINGS (Parameters)			
Alert				
Loop type				
Daylight setpoint (lux)				
Provision of light (lux)				
Lighting regulation				

Stand alone presence sensor: the sensor send «ON» command to its associated load or group of load according to presence detection.

Stand alone daylight sensor: the sensor send «ON» command to its associated load or group of load according to light parameters.

Stand alone daylight and presence sensor: the sensor send «ON» command to its associated load or group of load according to presence detection and light parameters.

Scenarios presence sensor: the sensor send «CEN» command to the MH202 (scenario programmer) according to presence detection.

Scenarios daylight sensor: the sensor send «CEN» command to the MH202 (scenario programmer) according to light parameters.

Scenarios daylight and presence sensor: the sensor send «CEN» command to the MH202 (scenario programmer) according to presence detection and light parameters.

Enable secondary group: Activate a group managed by another sensor.

Enable load control: Manage/Don't manage its associated group of loads.

10. MAINTENANCE

Keep the lens clean.

Clean the surface with a cloth.

Do not use: acetone, tar-removing cleaning agents or trichloroethylene.

Maintenance with the following products: - Hexane (En 60669-1),

- Methylated spirit,
- Soapy water,
- Diluted ammonia,
- Bleach diluted to 10%,
- Window-cleaning products.

CAUTION: An initial test is required for the use of other special maintenance products.

11. STANDARDS

Directive: CE

Installation standards: NFC 15-100

Product standards: IEC 60669-2-1

Environmental standards:

- EU Directive 2002/96/EC:
WEEE (Waste Electrical and Electronic Equipment)
- EU Directive 2002/95/EC:
RoHS (Restriction of Hazardous Substances)
- Regulations: ERP (public buildings)
ERT (workplace buildings)
IGH (high-rise buildings)