Dual Tech detector switch   Catalogue Number(s): **0 488 06**

1. USE

This device automatically controls a light source by detecting movement in its supervision zone.
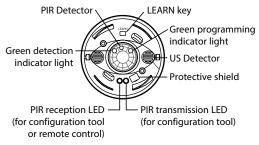Movement detector with 360° detection angle
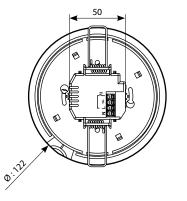Detection methods: infra-red (PIR) and ultrasound (US)
Mounting: ceiling

2. TECHNICAL DATA

Voltage: 100 - 240 V~
Frequency: 50 / 60 Hz
No-load power consumption: 0.8 W
Output by normally open contact connected to phase
Cabling: 2 x 2.5 mm²
Flush-mounting diameter: 65 mm without flush-mounting box,
68 mm with flush-mounting box

Weight: 162 g
Impact resistance: IK04
Penetration by solid/liquid bodies: IP20
Operating temperature: - 5°C to + 45°C
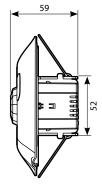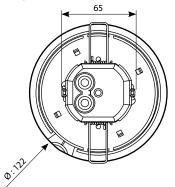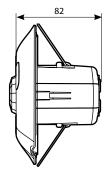Storage temperature: - 20°C to + 70°C

Cover removed

PIR Detector
LEARN key
Green programming indicator light
Green detection indicator light
US Detector
Protective shield
PIR reception LED (for configuration tool or remote control)
PIR transmission LED (for configuration tool)

3. OVERALL DIMENSIONS

Without protective cover

50
59
52
Ø : 122

With protective cover

65
82
Ø : 122

	①		②		③		④		⑤		⑥		⑦
230 V~	2000 W	8,5 A	2000 W	8,5 A	1000 VA	4,3 A	10x(2x36 W)	4,3 A	500 VA	2,1 A	1000 VA	4,3 A	I max. ≤ 2A
110 V~	1000 W	8,5 A	1000 W	8,5 A	500 VA	4,3 A	5x(2x36 W)	4,3 A	250 VA	2,1 A	500 VA	4,3 A	

① Incandescent lamp
② Halogen lamp
③ Halogen lamp with separate ferromagnetic or electronic transformer
④ Fluorescent tubes
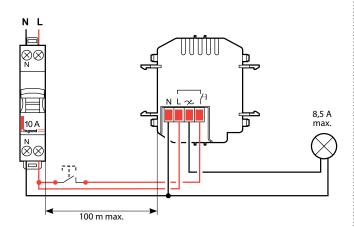⑤ Compact fluorescent lamp with integrated ballast
⑥ Compact fluorescent lamp with separate ferromagnetic or electronic ballast
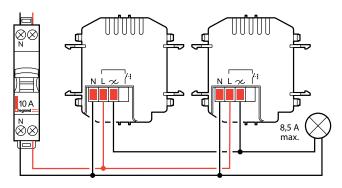⑦ Contactors

4. CONNECTION

Number of terminals: 4

Terminal type: automatic
Terminal capacity: 2 x 2.5 mm^2
Stripping length: 8 mm

Cabling with auxiliary control : Manual on/Auto off

Pressing the auxiliary control allows the load to be switched on or off manually. If no action is performed on the control, the detector will cut off the related load at the end of the time delay or when the Daylight setpoint is reached.

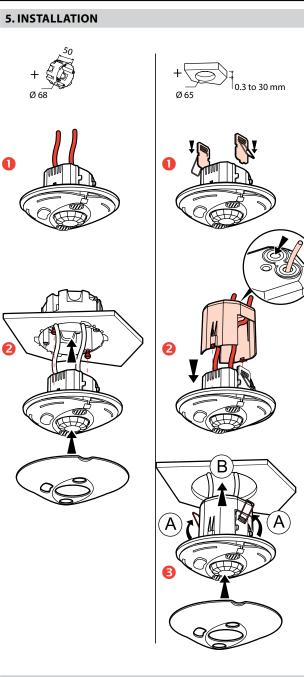### Cabling without auxiliary control: Auto on/Auto off

The load will be switched on and off automatically.

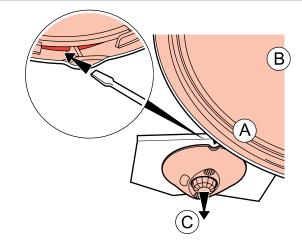**Option:** Detector control using infra-red remote control.

Wiring

5. INSTALLATION

6. DISASSEMBLY

7. SETTINGS

- Parameters:

Detection parameters		Default value	Modifiable parameters	Configuration tools	
				088230	088235
Time delay		15 mins	3,5,10,15,20 mins	–	✓
			0 - 59 min 59s	✓	–
Sensitivity		US (high)	Low, medium, high, very high	✓	✓
		PIR (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	✓	✓
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	active	Enabled/Disabled	✓	–
	Provision of light	Auto	Auto - 1275 lux	✓	–

Time delay: Time for which light is switched on following detection.

Sensitivity: Detector range setting.

Daylight setpoint: Brightness value below which the light is switched on and above which the light is switched off.

Auto on/Auto off mode:
The light is switched on automatically:
- When presence is detected, if the natural brightness is too low.
The light is switched off automatically:
- Where no presence is detected and at the end of the time delay set.
- Or if there is a sufficient level of natural 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.

Initial detection: Light switched on from first detection.

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

7. SETTINGS (continued)

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

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

Light regulation: Light switched off automatically 10 minutes after the Daylight setpoint has been exceeded. If the light level is below the Daylight setpoint, the light is activated automatically after 20 seconds.

Provision of light: Quantity of additional lux provided when the light is switched on.

- Modification of the parameters by the configuration tools

• 0 882 40: Configuration gateway and Legrand Close Up application. The Close Up application is available on the Apple Store and the Play Store
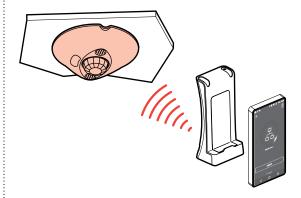
App Store   Google Play

The detector functions are controlled by a number of parameters which can be changed or programmed by an infrared configurator.

In combination with configuration tool 0 882 40, the Legrand Close Up smartphone app can be used to view and modify all the detector parameters with online help.

Point the infrared configuration tool at the detector and send the necessary programming commands to the unit as indicated in the table below.

For more information about setting parameters, refer to the data sheet for the configuration gateway Cat. No. 0 882 40.

7. SETTINGS (continued)

- Modifying the parameters using the configuration tools (continued)

• 0 882 30: Configuration tool
When the sensor receives an IR command via a configuration tool, it emits a beep confirming that the modification has been taken into account.
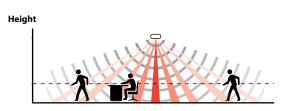For more information about setting parameters, refer to the data sheet for the configuration tool Cat. No. 0 882 30.
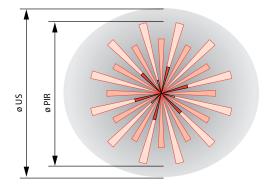
> ⚠
> **As from 01/01/2022, this product ref. 0 882 30 is no longer sold.**

- Restore to factory settings:
1st press: Short press on LEARN: the LED flashes slowly.
2nd press: Press and hold down LEARN for 10 seconds until the LED flashes quickly.

8. PERFORMANCE

Height

8. PERFORMANCE (continued)

- 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. CLEANING

Keep the lens clean.
Clean the surface with a cloth.
Do not use acetone, tar-removing cleaning agents or trichloroethylene.
Resistant to the following products: - Hexane (EN 60669-1)
- Methylated spirit
- Soapy water
- Diluted ammonia
- Bleach diluted to 10%
- Window-cleaning products

Note:

Always test before using other special cleaning products.

10. STANDARDS

Directive: CE

Product standards: IEC 60669-2-1

Environmental standards:
- European Directive 2002/96/EC:

  WEEE (Waste Electrical and Electronic Equipment)
- European Directive 2002/95/EC:

  RoHS (Restriction of Hazardous Substances)