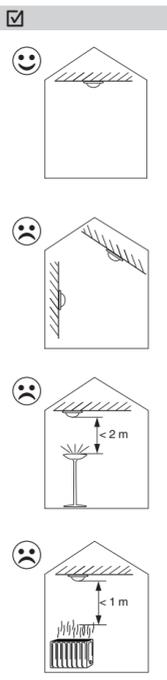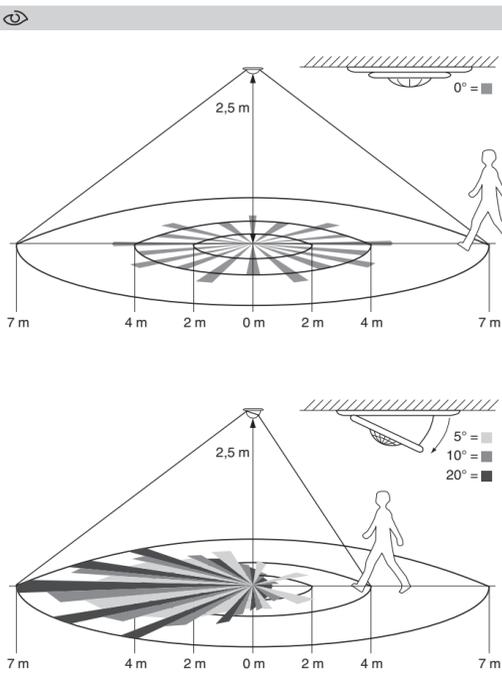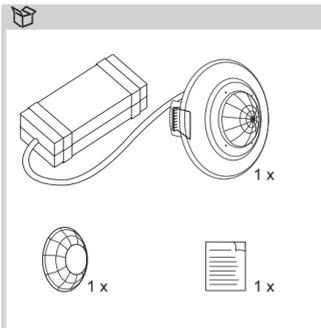**CLIPSAL**
by Schneider Electric

753CF2

For your safety

⚠️ **DANGER**
HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

It is illegal for persons other than an appropriately licensed electrical contractors or other persons authorised by legislation to work on the fixed wiring of any electrical installation.

• To comply with all safety standards, the product must be used only for the purpose described in this instruction and must be installed in accordance with the wiring rules and regulation in the location where it is installed.

• There are no user serviceable parts inside the product.

Failure to follow these instructions will result in death or serious injury.

Getting to know the movement detector

The PIR Sensor, 360deg, ceiling, dual channel (called **sensor** below) detects moving heat sources in its detection range (passive infra-red technology). At each detection it switches on a lamp (channel 1) and a ventilator (channel 2), for example. For each channel an adjustable period of time can be set.

Channel 1 switches, in case of a movement detection, only if the ambient light level is below the adjustable brightness threshold.

The movement detection for channel 2 is carried out brightness independent.

With the setting of pulse (for channel 1) the lamp is switched on for 1 s and off for 9 s in case of movement detection. This cycle repeats as long as movement is detected.
For information on the area of detection, see 👁

Selecting the installation site

The sensor is intended only for indoor dropped-ceiling mounting (e.g. office, hall).

The sensor should be installed in such a way that there are no light or heat sources in the area of detection, to avoid unwanted switching.
For information on the installation site, see ☑

Mounting the sensor

For information on installation, see ✎

ℹ️ After switching the supply voltage on, the sensor requires approximately 60 s (initialisation) until it is ready for operation.

Setting the sensor

For information on the operating elements, see ⚙

To reach the setting knobs, tilt he sensor head Ⓐ as far as possible.

1. Time 1 Ⓑ
The time can be set variably from "pulse", 30 s to 30 min. Timer starts counting from the latest detected movement. While there is still movement in the detecting area, the LED indicator and connected lighting loads will remain on and the timer will keep resetting.

Pulse (leftmost position):
• The sensor reacts to any motion in the detecting area, and to the settings of lux level.
• When the sensor is activated, the LED indicator and connected lighting loads will be turned on for 1 s and off for 9 s as a complete period before receiving another detection.

Test (rightmost position):
• The lux level setting is deactivated.
• When the sensor is activated by motion, the red LED and connected lighting loads will be turned on for 3 seconds.

2. Time 2 Ⓓ
The time can be set variably from 10 s to 15 min. Timer starts counting from the latest detected movement. While there is still movement in the detecting area, the LED indicator will remain on and the timer will keep resetting. The lux level setting is deactivated.

3. Lux Ⓒ
The LUX adjustment controls the light level at which the unit will switch on the light when movement is sensed. If set to the maximum position, it will switch during daylight. If set to the minimum position, it will operate only in total darkness. Ideally it should be set at dusk or in the light conditions under which the sensor and lights are expected to operate.
The sensor is now in automatic mode. The LED indicator blinks regularly. In case of movement detection the LED display lights up as long as a movement is detected.

What should I do if there is a problem?

Load is not switching on.
• Ensure power supply.
• Check the detection area.
• Increase detection brightness Ⓒ.

Load is briefly switched on and off again.
• Avoid reflecting surfaces in the detection range of the sensor.
• Increase ambient temperature. Sensor sensitivity increases as ambient temperature decreases.
• Check if the time period is not set to pulse (position leftmost) or test (position rightmost).

Load is permanently switched on.
• Check the connection of the sensor.
• Reduce time period Ⓑ.
• Increase the distance between the sensor and any heating, air conditioning or ventilation unit.

Maintenance and care

Clean the lens and the housing with a damp cloth when dirty.

Technical data

Mains voltage:	220-240 V~, 50/60 Hz
Load	
Channel 1:	
Incandescent lamps:	max. 1000 W
HV Halogen lamps:	max. 900 W
LV Halogen lamps with electronic transformer:	max. 250 VA
LV Halogen lamps with iron-core transformer:	max. 500 VA
Fluorescent lamps:	max. 200 VA
Energy saving lamps and LED:	max. 100 W
Channel 2 (potential free output):	
Relay rating:	max. 5 A (cosφ=1), 250 V AC
Motor load:	max. 100 W
Time period channel 1:	pulse, 30 s to 30 min
Time period channel 2 (brightness independent):	10 s to 15 min
Detection range at mounting height of 2.5 m:	max. 360° / ⌀ 7 m
Detection brightness:	5-2000 lx
Fuse:	10 A circuit breaker