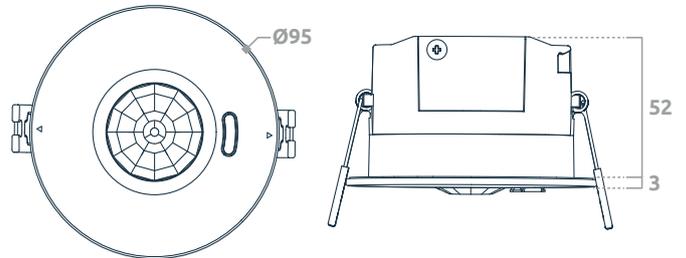


### Dimensions

<b>Mounting</b> (kits sold separately)	Recessed (cut-out min Ø83 mm)
	Wall mount kit (mounting centres 85 mm)
	Surface mount kit
	Rod mount kit
	Conduit mount kit (mounting centres 50-60 mm)
<b>Dimensions</b>	Ø95 / 55 mm

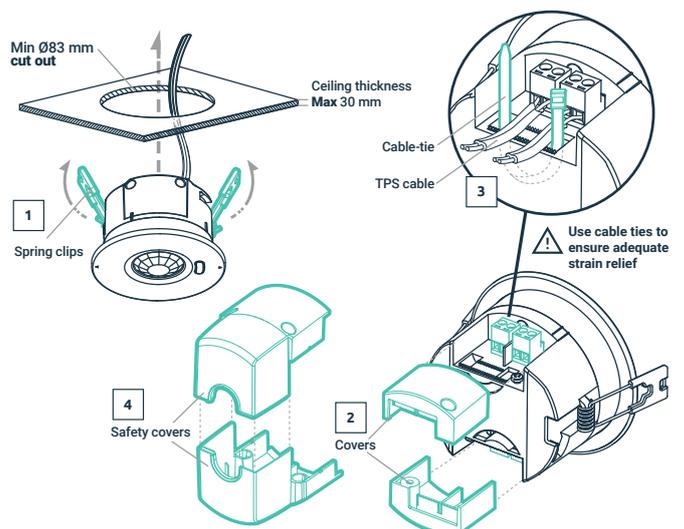


### Installation

Remove the product from the box and inspect it for any damage. If you believe the product to be damaged or otherwise unsound, **do not** install the product. Please return it to the place of purchase for replacement.

If the product is satisfactory, proceed with the installation:

- 1 Choose a location considering the conditions listed in the **detection pattern** section.
- 2 Drill mounting hole in desired position using 83 mm hole saw.
- 3 Push the spring clips in as per **fig 1**. Insert sensor into the desired position and the spring clips will automatically release, ensuring that the sensor is secure and flush up against the ceiling.
- 4 Remove covers, as per **fig 2**, and wire per diagrams overleaf. Ensure wiring is secured using included cable-ties, per **fig 3**.
- 5 **Optional: For -r models**, if you have an earth loop, use the included safety covers, see **fig 4**.



### Product range

Order code	Description
<b>zc-pir-st-r</b>	Standalone PIR sensor 8 m, with inbuilt relay
<b>zc-pir-st-1sw-r</b>	Standalone PIR sensor 8 m, with inbuilt relay and one switch

### Specifications

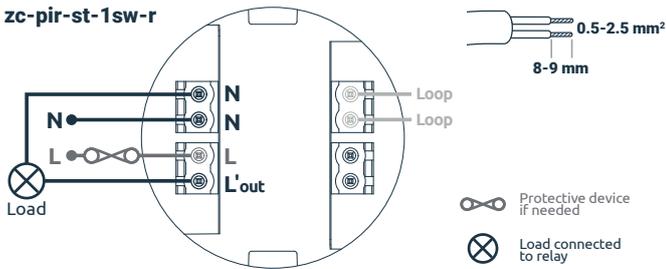
<b>Supply</b>	220 - 240 V ~50 Hz
<b>Supply current</b>	< 0.1 A
<b>Relay output</b> (-r models)	120 A / 20 ms inrush current 10 A resistive ⚡ 6 A inductive ⚡
<b>Output load rating AC</b> (-vf models)	10 A resistive ⚡ 6 A inductive ⚡
<b>Output load rating DC</b> (-vf models)	0 - 25 V 3 A resistive ⚡ 25 - 240 V 200 mA resistive ⚡
<b>Lens</b>	Fresnel
<b>Sensors</b>	PIR, IR, lux
<b>IR</b>	38 kHz
<b>Wiring</b>	2.5 mm <sup>2</sup> cable (no earth, suits round and tps)
<b>Operating temperature</b>	-10 to 55°C
<b>Material</b>	PC (body)
<b>Ingress protection</b>	IP54 (front-face only) IP65 (with surface or wall mount kit)

### Safety information

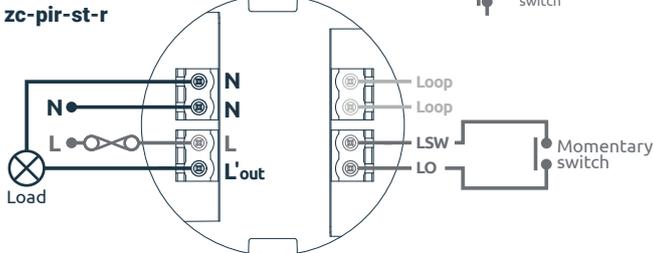
- This product must only be installed by a licensed electrician.
- Before commencing installation turn off and isolate the electrical supply.
- There are no user serviceable parts, attempting to service any part of the product will void the warranty
- As the installer, it is your responsibility to ensure you comply to all relevant building and safety codes. Refer to application standards for the relevant rules.
- When the installation is complete, leave this manual with the building's owner for future reference.

## Wiring

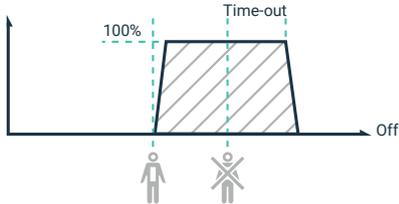
### zc-pir-st-1sw-r



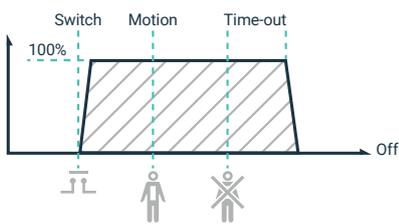
### zc-pir-st-r



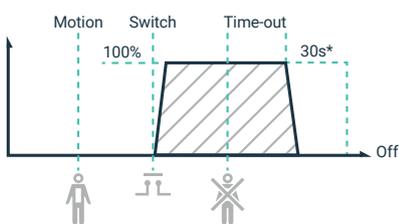
### Presence mode



### Presence mode (with switch)



### Absence mode



\* If motion is detected within 30 seconds after the time-out the output will turn on. After 30 seconds has elapsed a switch press is required to turn the output on again.

## Accessory range

Order code	Description
zc-smart-wall-kit	Smart sensor wall mount kit
zc-smart-sm-kit	Smart sensor surface mount kit, for surface, rod, conduit mount
zc-rodmount-wht	Rod mount kit, white, for with Smart sensor surface mount kit
zc-ir-ctrl-com	Hand-held infrared control and commissioning unit

## Notice

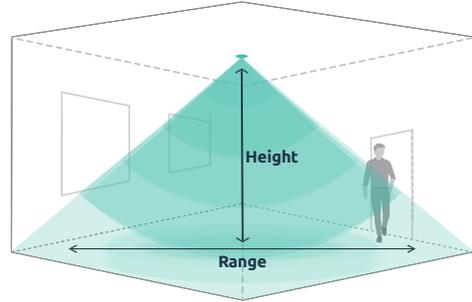


For more information on compliant software see our website [zencontrol.com](http://zencontrol.com)

## Detection pattern

**Mounting height** 2 - 12 m **Range** ∅ 8 m (mounted at 2.7 m)

- The units detection range may alter with changes in ambient temperature.
- Position sensor so that movement occurs across the scan area. Detection range will be reduced when walking directly towards or away from the sensor.
- Do not direct sensor at reflective surfaces or variable heat sources.
- Do not aim sensor directly at the sun, this may cause damage to the PIR sensor.



## Programming\*

Symbol	Function	Description
	<b>On</b>	Switches the relay output on
	<b>Off</b>	Switches the relay output off

### Lux

	<b>Set lux level</b>	When this mode is active, the user may use the up and down arrows to select 5 pre-determined lux levels.
	<b>Set dusk level</b>	Sets dusk level from current light level. If the light level is below the dusk level the motion detector will be enabled. Note: The dusk level can be set using the up/down arrows on the IR controller.
	<b>Disable lux/dusk</b>	Disables lux/dusk mode.

### Wireless

	<b>Walk test</b>	Initiates a 3 minute walk test where the output is turned on whilst motion is detected. Note: Walk test mode is indicated by a blue flashing LED and can be stopped by pressing off.
	<b>Reset mode</b>	Resets mode and ECG data

### Sensor

	<b>Absence mode</b>	Absence mode activated. The switch must be turned on when someone enters a room, but the sensor detects when the room is vacated, switching off the lights automatically.
	<b>Presence mode</b>	Presence mode activated. The sensor will automatically turn lights on when movement is detected. (Default)
	<b>Disable PIR</b>	Disables the PIR sensor

### General settings

	<b>Reset all</b>	A complete factory reset, clears all settings, including standalone mode settings
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### Symbol

	<b>Main timer</b>	The main timer for the period of time the product remains on.
	<b>Dwell timer</b>	When entering the dwell timer mode, the product will flash once (infinite timer is not supported)