

## Panel with lighting and automatic switch

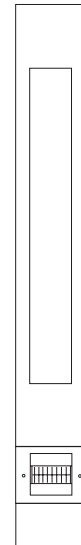
Order no.: 1332 xx

### Device description

The Gira Panel combines lighting and „automatic switch" functions in a simple, lightweight and neatly upgradeable unit. Contrary to conventional installations, the lights and automatic switches are no longer distributed inefficiently on the wall, but are instead simply installed in one unit mounted at a single point. The Gira Panel can be integrated into existing installations and additional lights can be operated via the integrated automatic switch. Further extensions such as push buttons, automatic switches or presence detectors can also be connected to the system.

The automatic switch reacts to the movement of heat sources such as are produced, for example, by people or animals and activates a switching operation. The Panel light remains turned on as long as movement is recognised, otherwise the lighting is switched off at the end of a pre-set delay time.

The Gira Panel is available in pure white, anthracite and aluminium.



### Positioning the Unit

Mount the Panel with the automatic switch side-on to the direction of travel. The automatic switch then registers movement the best. Position the unit so that there are no disturbances such as lamps or heating within the detection range. If this is not possible employ slip-on blinds.



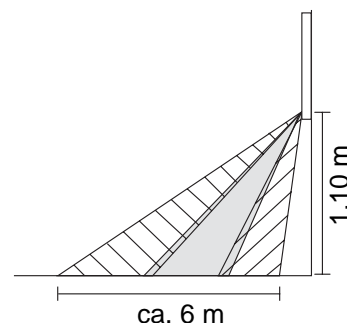
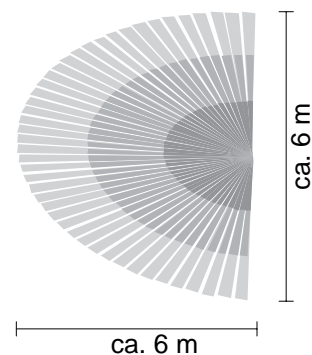
#### Caution

When selecting a location ensure that there is no direct sunlight on the sensor lens since the sensor can be destroyed by excessive heat energy.

### Detection Range

The automatic switch has a detection field covering 180° in three planes. The detection field at a height of 1.10 m covers an area of approx. 6 x 6 m

The range varies with the mounting height. The higher the unit is positioned, the greater the range of detection.



## Installation



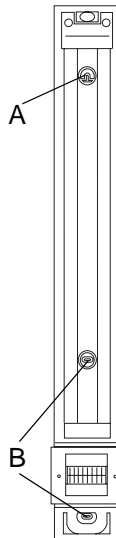
### Note!

The installation and assembly of electrical equipment may only be performed by a qualified electrician.

The panel can only be installed vertically.

Please assemble the panel as follows:

1. Drill the upper hole (A) and insert a plug.
2. Tighten the screw and the washer.
3. Hang the panel onto the screw and mark the fixing holes (B).
4. Remove panel.  
Drill holes (B) and insert plugs.
5. Hang panel onto screw and tighten screws. Please use the washers provided to protect the openings from moisture.
6. Connect power supply.
7. Install the light (fluorescent lamp: 13 W T 16). More information about the lighting can be found in the „Technical specifications“.
8. Setting automatic switch.
9. Close Panel covers.



### Using the lower cable inlet

Wires which are fed in the lower panel inlet must be dismantled for the entire length. The wire's PVC mantel might release emollients when becoming warm, which could damage the light.

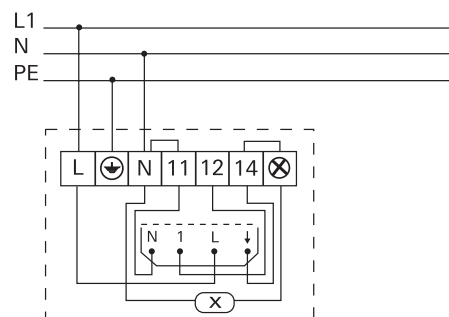
When laying the individual leads, use the cable harness behind the lighting reflector.

## Connection

### Power supply

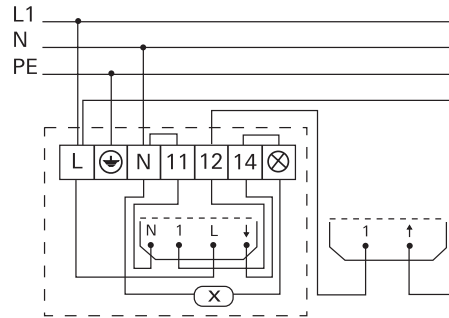
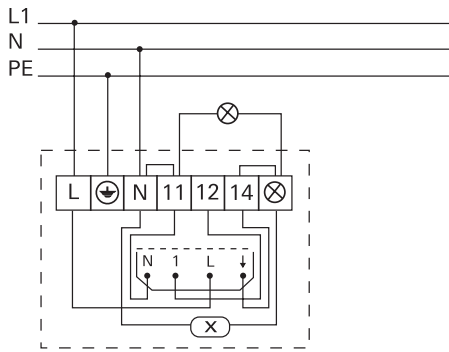
The lighting element and the automatic switch have already been pre-wired up to the connecting terminals.

Connect the power supply to terminals L/N/⊕.



**Connecting additional lighting**

Additional lights (e.g. ceiling lights) that should be switched on via the Panel's automatic switch are connected to terminals ⊗/11.

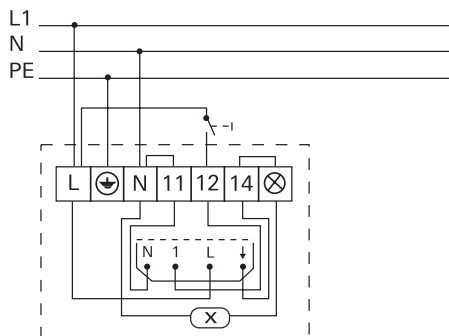


Pressing the button or operating surface of the switch attachment switches on the lighting. When the pre-set delay time has elapsed, the equipment is switched off automatically. When the automatic switch registers a movement, the delay time is extended. It is not possible to switch off the lights manually.

**Connection of other switch points to the ancillary connection**

While automatic operation is activated the Panel can be switched on from several places using a mechanical push button or a System 2000 impulse sender with switch attachment.

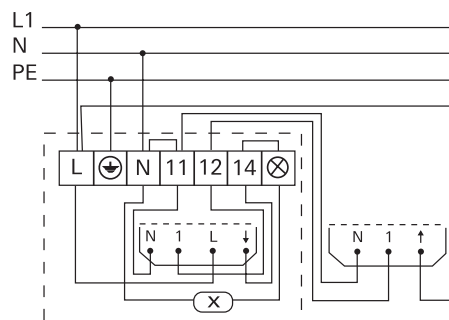
Connect the leads from the push contact to terminals L and 12.



**Connection of additional automatic switches to the ancillary connection**

The detection area of automatic switch in the Panel can be extended by using additional automatic switches or presence detectors.

To do this one or several System 2000 impulse senders for automatic switches or presence detectors are fitted to the Panel.



The System 2000 impulse sender is also connected to terminals L and 12.

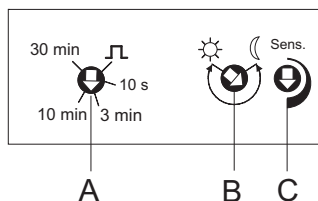
In this case, only the automatic switch in the Panel determines the light intensity and delay time.

With automatic switches at impulse senders, the operation type selector switch and regulators for light intensity and delay time are not functional.

Where necessary, sensitivity at each automatic switch can be adjusted by the corresponding regulator.

## Setting of Automatic Switch

The delay time, light intensity threshold and sensitivity can be adjusted with three regulators on the back of the automatic switch attachment.



### Delay Time (A)

The delay time determines how long the lights remain on after a movement has been detected. It can be set anywhere between 10 seconds and 30 minutes. To change delay time, turn the regulator in the desired direction.

#### **i** Notes

If the automatic switch is on, each subsequent detected movement re-triggers the delay time, i.e. the delay time starts again from the beginning.

The automatic switch does not have a forced shut-down, i.e. constant movement in the detection field of the automatic switch results in permanent illumination.

If the delay time regulator is set to symbol  $\square$ , the automatic switch is put into short-time operation. This mode can be used for example to trigger a front door bell. This setting is however ineffective in the Panel or for switching on the lighting.

### Light Intensity Threshold (B)

The light intensity threshold is the intensity of light beyond which a detected movement initiates a switch operation. The threshold can be adjusted within a range of approx. 0 to 80 lux. To adjust the threshold turn the regulator in the required direction.

If the regulator is turned to the end stop (sunlight  $\geq$  approx. 80 lux) the automatic switch will be in day mode and will operate irrespective of the light intensity.

### Sensitivity (C)

The sensitivity regulator can be used to reduce the sensitivity. In normal cases, the automatic switch should be set to maximum sensitivity.

### Teach Function

With the Teach Function, the current environmental light intensity can be stored as a switch threshold. The level set at the regulator is then no longer taken into account.

Proceed as follows to store the current light intensity via the Teach Function:

1. Start the Teach Function by covering the automatic switch with your hand three times for approx. 1 second within a 9 second period.
2. When the automatic switch changes to the Teach Mode, this is confirmed by the connected light, as:  
With lights switched on:  
Off - On (approx. 3 seconds) - Off  
With lights switched off:  
On (approx. 3 seconds) - Off
3. Step back from the automatic switch for one minute so that it can measure and store the light intensity level.
4. The light will be switched on for 3 seconds to confirm the information has been stored.

Any new storage of the threshold will overwrite the previously stored level.

To activate the switch threshold set on the light intensity regulator, withdraw the automatic switch from engagement and then re-insert it.

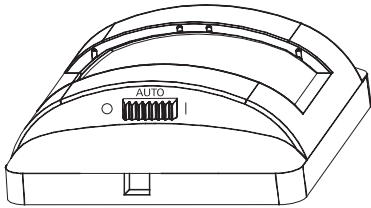
#### **i** Notes

If there is a loss of power for longer than approx. 2 seconds, or if the automatic switch is pulled off, the stored light intensity threshold will be lost.

If a value greater than 80 lux is stored, the automatic switch will be in day mode and will operate irrespective of the light intensity.

## Types of Automatic Switch Operation

Using the sliding switch on the Automatic unit three different types of operation can be selected: Permanently Off, Automatic Operation, Permanently On.



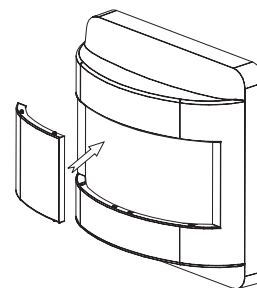
To set the required mode, push the switch to the desired position:

- Permanently Off (O)  
The lighting is permanently switched off. It is not possible to operate the switch at ancillary connection points.
- Automatic Operation (AUTO)  
The automatic switch operates on detecting movement. After the pre-set delay time has expired, it switches off again.
- Permanently On (I)  
The lighting is permanently switched on. It is not possible to operate the switch at ancillary connection points.

## Closing the Panel cover

The cover can be closed once the panel is assembled and connected and the lighting has been fitted.

Place the lighting cover against the upper edge of the Panel's underside and press onto the casing (see illustration).



## Locking the Sliding Switch

In the position „Automatic Operation“ the sliding switch can be locked by a clip to prevent accidental adjustment.

To fit the retaining clip please proceed as follows:

1. Push sliding switch to mid-position (Automatic Operation).
2. Remove sliding switch with a screwdriver.
3. Fit the retaining clip.

**Behaviour in case of pulling off/power failure**

If the automatic switch is pulled off from its engagement, the switch condition remains the same. When re-inserted, the automatic switch behaves as it would during a power failure of more than 2 seconds.

On power failure the automatic switch behaves as follows:

- Less than 200 ms: no change of switch condition
- 200 ms to 2 s: when power is restored the lights are switched on again for the delay time

Longer than 2 s:

the automatic switch carries out an automatic test when power is restored. This lasts approx. 90 seconds. During this time the lights are switched on and the selected operation type is activated.



**Loss of Light Intensity Threshold**

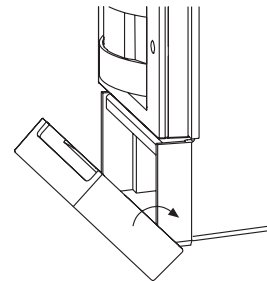
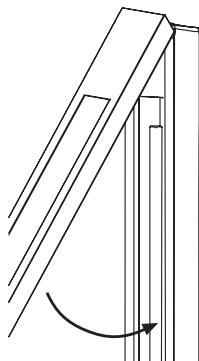
A power failure longer than 2 seconds or pulling off the automatic switch leads to a loss of the stored light intensity threshold.

**Closing the Panel cover**

The cover can be closed once the panel is assembled and connected and the lighting has been fitted.

Place the lighting cover against the upper edge of the Panel's underside and press onto the casing (see illustration).

Place the lower cover onto the Panel and raise the Panel (see illustration).



**Technical specifications**

Measurements:	WxHxD 112 x 990 x 80 mm	<b>Automatic switch</b>	
Classification:	IP 44	Opening angle:	approx. 180°
Rated voltage:	AC 230V, 50 / 60 Hz	Detection field:	approx. 6 m x 6 m) (Installation height: 1,10 m)
Connections:	Screw clamps 1 x 2.5 mm <sup>2</sup> or 2 x 1.5 mm <sup>2</sup>	Number of lenses/ lens levels:	26/3
Lighting:	Fluorescent lamp (T16)	Operating temp.:	approx. -20 °C to 45 °C
Power:	13 W	Shut-off delay:	approx. 10 s to 30 min
Length:	517 mm	Brightness:	infinitely variable from approx. 0 lux to 80 lux
Diameter:	16 mm	Sensitivity:	approx. 20 % to 100 %
Socket:	G5	Switching capacity: (Flush-mounted insert)	2300 W Incandescent lamps 2300 W Halogen HV lamps 1500 W Tronic transform. 1000 W Conv. transformers 1200 W Fluorescent lamps uncompensated 920 W Fluorescent lamps shunt-compensated 2300 W Fluorescent lamps twin lamp circuit
e.g.	RADIUM NL-T5 13 W OSRAM L 13 W PHILIPS TL 13 W		Mixed loads of the types of loads specified. Impose on conventional transformers at least 85 % of the rated load by lamps. Including the transformer power loss, the overall load must not exceed 1000 VA.
Lighting range:	<p>Leuchtmittel: 1xT16 13 W Lichtpunkthöhe über Boden: 1,55 m</p>	Number of extensions: System 2000 extension, pushbutton:	unlimited
		System 2000 extension for presence detector and automatic switch attachments:	max. 10
		Extension wiring length:	max. 100 m

## Acceptance of guarantee

We accept the guarantee in accordance with the corresponding legal provisions.

**Please return the unit postage paid to our central service department giving a brief description of the fault:**

Gira  
Giersiepen GmbH & Co. KG  
**Service Center**  
Dahlienstrasse 12  
D-42477 Radevormwald



The CE sign is a free trade sign addressed exclusively to the authorities and does not include any warranty of any properties.

Gira  
Giersiepen GmbH & Co. KG  
Postfach 1220  
D-42461 Radevormwald

Telefon: +49 / 21 95 / 602 - 0  
Telefax: +49 / 21 95 / 602 - 339  
Internet: [www.gira.de](http://www.gira.de)