

The Gira Automatic Switch



Introduction

You enter the room - the light is switched on. You leave the room - it switches off automatically. The automatic switch is simply used instead of the previous switch. This is comfortable, safe and energy-saving. Particularly in passages such as foyers and staircases. Also suitable for guest toilets. A water- and theft-resistant variation from the switch design range Gira TX_44 is also available for outdoors, at the basement stairs or garage

The Standard Top Unit for System 2000

The Standard automatic switch top unit can be used with diverse flush-mounted inserts of the System 2000, e.g. with a relay insert to switch filament lamps, fluorescent lamps and halogen lamps or with a Triac switch insert for switching HV and LV halogen lamps in case of wound transformers. And if the top unit is installed in an HLK relay insert, it also switches the heating or ventilation in addition to the lights. The automatic switch top unit can furthermore also be linked to further automatic switch top units by means of an extension unit insert. The brightness switching threshold can be adjusted from approx. 0 to 80 Lux and brightness-independent switching for daytime operation can be set by means of a potentiometer at the device. The switch-on time of approx. 2 minutes is fixed. In addition, the sensitivity can also be set and changed separately. This way, the top unit can be optimally set for influences by lighting systems of neighbouring areas and other interfering influences and is suitable without restrictions for automatic light control in large auxiliary unit systems. The Standard automatic switch top unit is available for the installation heights of 1.1 m and 2.2 m.

The Comfort Top Unit for System 2000

The Comfort automatic switch top unit can be used with System 2000 dimming inserts in addition to the System 2000 inserts for switching various lamp types and the HLK relay insert for lighting and heating or ventilation applications. A dimming function in the Comfort automatic switch top unit ensures that the light is dimmed for a period of 30 seconds before being switched off? a warning which is particularly important in a staircase. In addition, a dimming value can be stored via an extension unit with which the automatic switch switches on the lighting.

The Comfort automatic switch top unit disposes of a digital signal evaluation in order to improve the detection behaviour and optimise the interference signal suppression. And a teach-in function allows simple storing of the current illuminance as the threshold value. The brightness switching threshold (0 - 80 Lux), the sensitivity (100% - 20%), the set time (10 s - 30 min.) and a brightness-independent switching for daytime operation can be set by means of potentiometers at the device. The Comfort automatic switch top unit is available for the installation heights of 1.1 m and 2.2 m.

Impulse Insert



The System 2000 automatic control-switch top units can be used for motion dependent light control, e.g. in stairwells, can also be operated with the System 2000 impulse insert. The impulse insert sends a pulse to the time switch in the distributor when actuated, which then switches on the light for a specified time. With the potentiometers for the switch-on brightness in the automatic control-switch top unit, the response for each device in the lighting system can be set separately to the ambient conditions. The power-on time is set centrally at the automatic mechanism in the distributor cabinet. Here up to eight impulse inserts can be connected to one automatic DRA mechanism. If only six automatic control switches with impulse

inserts are used, any number of non-illuminated installation buttons may be connected for semi-automatic lighting control.

Heating Cooling Control Example



Both automatic switch top units System 2000 can be used with the HLK relay insert of the System 2000 and thus control the heating and ventilation in addition to the light. To this purpose the HLK relay insert has two relay contacts. If the automatic switch recognizes a movement, the light is switched on via the first non-floating contact. If it registers further movement, the heating or ventilation is activated via the second floating contact after three minutes. The set time for controlling the heating or ventilation can be extended past the normal set time for movement recognition. In contrast to the light channel, it operates without a Lux evaluation in order to ensure correct controlling of the heating or ventilation even when sufficient

daylight is still available.

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| Detection angle | 180° |
| Temperature | -25 °C to +45 °C |
| Degree of protection | IP 20 |
| Degree of protection for TX_44-variant | IP 44 |
| Range with a mounting height of 1.10 m | front 10 m, side 2 x 6 m |
| Automatic switch for high installation zones, range with a mounting height of 1.10 m | front 6 m, side 2 x 3 m, range with a mounting height of 2.20 m: front 12 m, side 2 x 6 m |