

FLASHENTRY

Product description

The FLASHENTRY allows activation of an automatic gate or door by flashing a car's headlights.



Thus personnel, customers or suppliers are able to open a door during the office hours without leaving the vehicle. The device is activated by the headlight flasher and does not need any actions from the inside of the building. The complicated use of remote controls, which are often lost or with faulty batteries is no longer necessary.

The FLASHENTRY can be installed in a few assembly steps to each gate and works with already existing radio receivers, too. By using a radio transmitter combined with a battery-powered voltage supply no additional coil cords or signal lines are necessary.

Description of the functions

The FLASHENTRY is mounted to a sectional door, where the light sensor can be illuminated with the headlights. Optionally several further light sensors can be installed at different positions at the gate or at a wall.

The operation of the headlight flasher at the car is recognized and processed by the FLASHENTRY. If a defined number of light pulses is recognized, the device activates the internal transmitter and sends a signal to the door control.

The FLASHENTRY is compatible to all conventional radio receivers in door controls. The user can set different operating parameters like the number of light pulses and the light sensitivity.

Features

- Cordless due to the radio transmission from the FLASHENTRY to the door control
- Usable with all conventional door controls
- Easy and quick installation at the lower section of the door
- Only a small light sensor is visible from the outside
- Tuneable for different light sensitivities
- Changing of the number of required light pulses from 2 to 5 to open door
- Insensitive against light reflections and sun light. Only light pulses from the car lead to an activation of the unit

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Assembly

The FLASHENTRY unit is mounted with the mounting screws at the inside of the door. The light sensors can be mounted at the outside of the door.

For the installation execute the following steps:

Find out the height of the car light spot

The light sensor must be adjusted to the height of the car head lights, which are to activate the FLASHENTRY unit.

As a default value you can use a height of 50 to 60 cm for limousines. For trucks or sports cars this value can change plus or minus 30 cm. The side-wise offset is about 50cm from the center of the lane according to the generated light spot from the car.

Installation of the light sensor

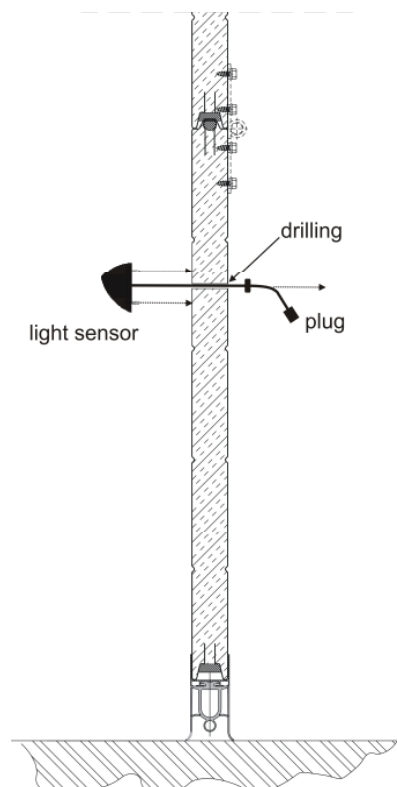
Depending on the scope of the delivery 1 or 2 light sensors are mounted at the outside of the door.

The FLASHENTRY unit is installed inside at the height of one of these sensors (see 3.), so there must be enough space at the inside.

A drilling through the door ($\varnothing=9\text{mm}$) is required to lead the sensor cable to the FLASHENTRY unit.

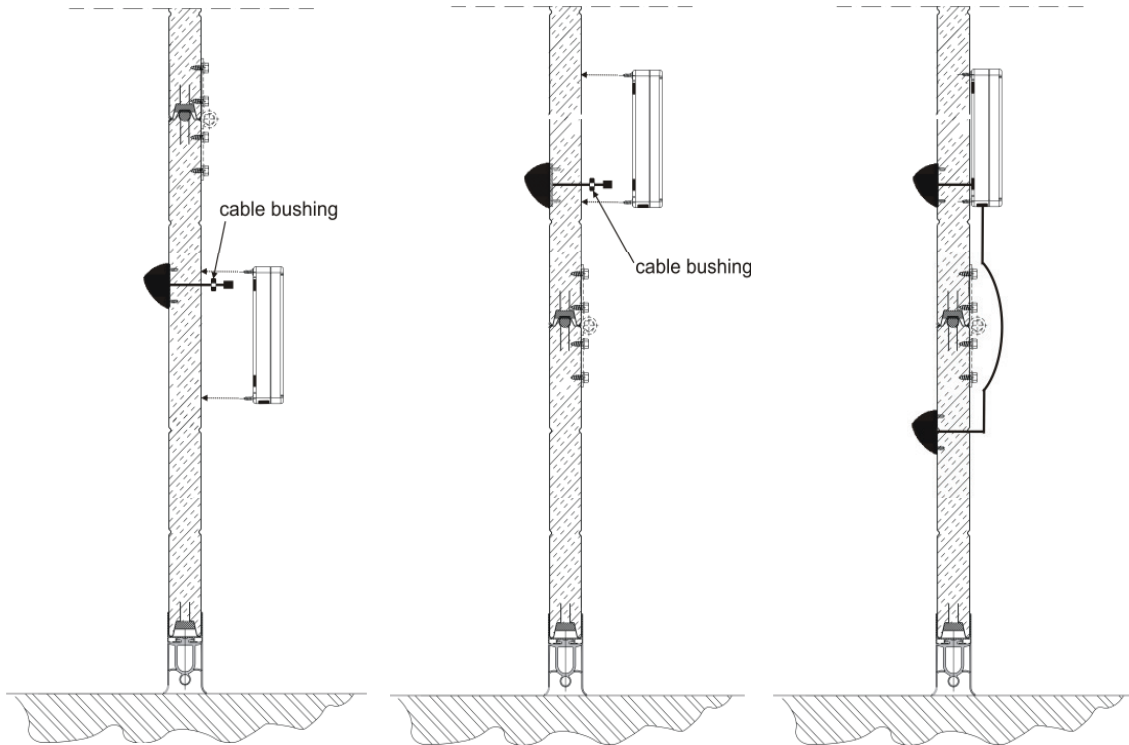
Use the mounting screws then to fasten the light sensor.

In case of doubt regarding the mounting position of the light sensor, check the position of the light spot at the door with a test car.



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Attaching the FLASHENTRY unit



The FLASHENTRY unit is mounted at the height of one of the sensors. Screw off the top cover for an easier handling.

At first put a punched rubber cable grommet to the sensor cable with the bore hole pointing at the plug.

Then pull the sensor cable through the hole at the back side of the FLASHENTRY case. Additionally, plug the grommet in the hole to seal it.

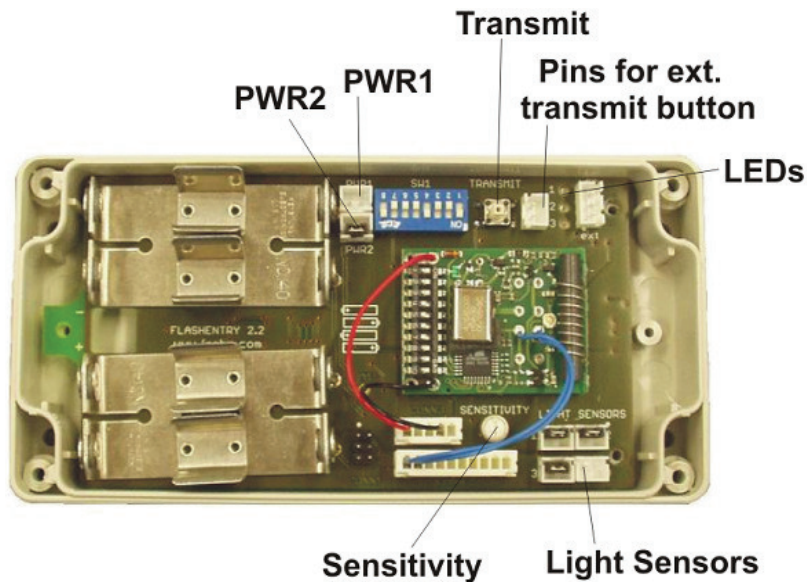
Now pull the sensor cable from the front side through the cut-out at the PCB and mount the case with the mounting screws.

If there is another light sensor mounted, lead the sensor cable at the inside of the door to the drilling at the side of the case and use the second grommet to fix it to the case.

If there is only one light sensor, seal the drilling at the side of the case with the third, non-punched grommet.

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Inside view



Description of the components

| Description | Function |
|---------------|---|
| TRANSMIT | Pushbutton to trigger the transmission. An external button can be connected to the corresponding pins. If no external button is connected, the pins must remain free. |
| PWR1 | Connection pins for an external power supply. Without an external power supply these pins must remain free. |
| PWR2 | Connection pins for an external on/off switch. Without an external on/off-switch these pins must be bridged. |
| DIPs | DIP switch to set the functional parameters. |
| LED ext | Connection pins for external function LEDs. Without external function LEDs these pins must remain free. |
| LED1 (red) | Rising light pulse identified. |
| LED2 (green) | Falling light pulse identified. |
| LED3 (yellow) | Power On |
| Sensitivity | Potentiometer to set the sensitivity. Decrease the sensitivity by turning it clockwise (batteries on the left). |
| Light Sensors | Connection pins for the light sensors. Unused pins have to be bridged. |

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FLASHENTRY articles

| Article | Article number | Description |
|------------|----------------|---|
| FLA-C 5001 | 10001310 | FLASHENTRY control unit with transmitter and receiver |
| FLA-A 130 | 10000495 | FLASHENTRY light sensor with 300mm cable |
| FLA-A 170 | 10000497 | FLASHENTRY light sensor with 700mm cable |

Technical data FLASHENTRY

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|-------------------------|---|
| Voltage supply | 4x1,5V AA cells |
| Power consumption | average 0,2 mA, depending on the used radio system |
| Battery life time | about 1 year for standard AA cells |
| Operating temperature | -10 °C to +50 °C |
| Dimensions control unit | 160 x 80 x 37 mm |
| Dimensions light sensor | 50 x 25 x 35 mm |
| Protection class | IP54 |
| Connections | 1x 2wire for external button 1x 2wire for external On/Off-switch 1x 2wire for external power supply 4x 2wire for up to 4 light sensors |
| Accessories | Light sensor with cable 300mm or 700mm Mounting angle for light sensors |