



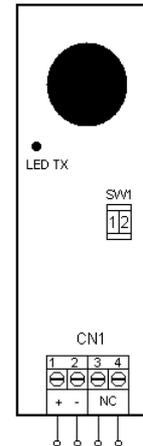
iGAZES035 Solar Powered Photo Eyes

Wall-mounted encoding photo eyes with Transmitter operated by solar panel and re-chargeable battery, with 180° rotation and range of up to 35 feet.

The iGAZES035 Solar photo eye solves problems related to installing electrical cables to connect the transmitter and receiver. It is also possible to install 2 pairs of the same model without any interference between them if they are encoded accordingly at the time of installation.

TECHNICAL DATA:

- Max. range	: 35 feet
- TX power supply	: 1 1.2V Re-chargeable AA battery
- RX power supply	: 12 -24 VAC/DC
- TX absorption	: 0.30 mA Max.
- RX absorption	: 25 mA Max.
- Relay contact rating	: 1A max at 30 VDC
- Operating temperature	: -4°F to 131°F
- Container	: Polycarbonate
- Protection rating	: NEMA 4 X(IP 54)
- Container dimensions	: 1½ x 3¾x 1¼ inches



DESCRIPTION OF THE TRANSMITTER (TX) :

Power supply and operation:

The transmitter is powered by a solar panel mounted on the cover and a 1.2 Volt re-chargeable battery that allows it to operate in the absence of light.

Selecting the Operating Range (SW1 Dip Switch No. 1) :

The maximum distance of operation of the battery-operated photo eye is approximately 35 feet (10 meters) at normal power (Dip Switch No. 1 OFF "factory configuration") and approximately 65 feet (20 meters) at maximum power (Dip Switch No. 1 ON).

Selecting Operating Code " A " and " B " (SW1 Dip Switch No. 2) :

The photo eye has two operating encoding channels "A" and "B", in this way it is possible to install 2 pairs of the same model without any interference between them. Code "A" (Dip Switch No. 2 OFF "factory configuration") or code "B" (Dip Switch No. 2 ON), must be accordingly selected in the same way, at the time of installation, on both the transmitter and receiver.

Important :

It is possible to connect a "N.C." safety device to the transmitter (for example a safety edge mounted on the leading edge of a sliding gate): when the contact opens the transmitter stops transmitting.

If no "N.C." safety device is used, inputs 3 and 4 must always be jumpered.

Connections:

- 1 - Connection for red wire (+) Solar Panel.
- 2 - Connection for black wire (-) Solar Panel.
- 3 - "N.C." safety device (Jumper only if not used)
- 4 - "N.C." safety device (Jumper only if not used)

iGAZES035 Receiver

Power supply:

The receiver can be powered with 12 or 24 Volts in either AC or DC (observing the polarity).

Connections:

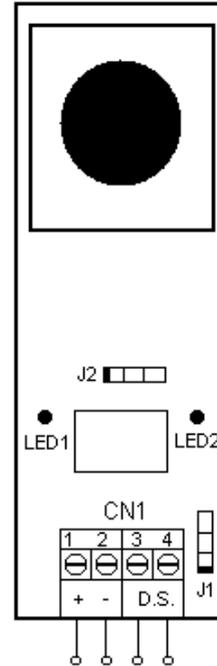
- 1 - 0 Vac -Vdc Power Supply
- 2 - 12 -24 VAC/DC Power Supply
- 3 - N.O./N.C. photocell contact (J1 selection)
- 4 - N.O./N.C. photocell contact (J1 selection)

Selecting the NO/ NC Relay Contact (with Jumper J 1) :

With jumper selection J1 it is possible to choose the type of relay contact as N.O. (Normally Open) or N.C. (Normally Closed).

J1 position 1-2 : N.O. relay contact.

J1 position 2-3 : N.C. relay contact (factory configuration).



Selecting Operating Code “ A ” and “ B “ (with Jumper J2) :

With selection Jumper J2 it is possible to choose operating channel “ A “ or ” B “

J2 position 1 - 2 : Channel B operation.

J2 position 2 - 3 : Channel A operation (factory configuration).

The photo eye has two operating encoding channels “A” and “B”, at the time of installation, be very careful that the channels are selected accordingly in the same way, on both the transmitter and receiver.

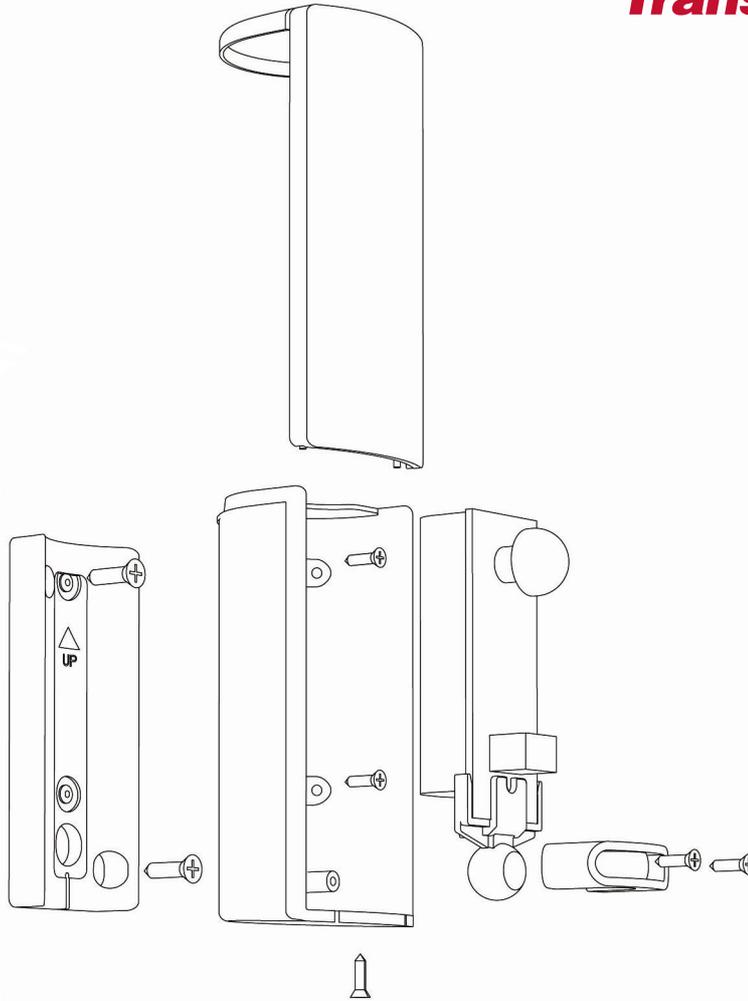
Checking TX - RX (LED 1) alignment:

Led 1 is installed on the receiver indicating when the TX - RX pair of photo eyes are aligned.

Led 1 will be on steadily when the infrared ray is aligned and will go off the when infrared ray goes out of alignment.

Checking the quality of the received signal (LED 2):

Led 2 is installed on the receiver and flashes based on the quality of the signal received from its matching transmitter. The number of flashes is proportional to the intensity of the signal being received; four flashes = maximum signal, one flash = a weak signal.



NOTE: Not all steps may apply for all installations.

WARNING - To reduce the risk of severe injury or death.

1. READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.
2. Install only on a properly balanced garage door or gate. An improperly balanced door has the potential to inflict severe injury. Have a qualified service person make repairs to cables, spring assemblies, and other hardware before installing the opener.
3. Remove all ropes and remove or make inoperative all locks connected to the garage door or gate before installing opener.
4. Where possible, install the door opener 7 feet or more above the floor. For products having an emergency release, mount the emergency release within reach, but at least 6 feet above the floor and avoiding contact with vehicles to avoid accidental release.
5. Do not connect the opener to source of power until instructed to do so.
6. Locate the control button: (a) within sight of door, (b) at a minimum height of 5 feet so small children are not able to reach it, and (c) away from all moving parts of the door.
7. Install the Entrapment Warning Label next to the control button in a prominent location. Install the Emergency Release Marking. Attach the marking on or next to the emergency release.
8. After installing the opener, the door or gate must reverse when it contacts a 1-½ inch high object (or a 2 x 4 board laid flat) on the floor.

WARRANTY

The warranty period of this product is 24 months, beginning from the manufacturing date. During this period, if the product does not operate correctly, due to a defective component, the product will be repaired or replaced at the sole discretion of Transmitter Solutions. This warranty does not extend to the product casing which can be damaged by conditions outside of the control of Transmitter Solutions.

*iGAZES035 Solar Powered Photo Eyes
are compliant with the specifications of Directive EMC 2004/108/EC.*

