

SAFETY BEAM UNIT SB-3



The SB-3 SAFETY BEAM is used as a safety device when fitted in conjunction with garage doors, rolling doors, sliding gates, swinging gates and parking barriers.

Features:

Being weatherproof, insensitive to ambient light and resistant to tampering by unauthorised personnel, the SB-3 can be installed indoors or outdoors.

The SB-3 transmitter and receiver are mounted in line of sight at a maximum distance of 10m apart. No calibration or sensitivity adjustments are necessary.

When the infrared beam is broken the relay de-energises. As the relay de-energises when the beam is broken (or the beam is not present as the result of a fault), the unit operates in the "fail safe" mode. See drawing below for connection details.

An LED indicator illuminates when the transmitter and receiver are aligned, providing a valuable aid to correct installation and fault location.

Supply: 12 - 24V AC/DC

Relay Contacts: 5A 30V AC/DC

Dimensions: 110mm H x 80mm W x 65mm D

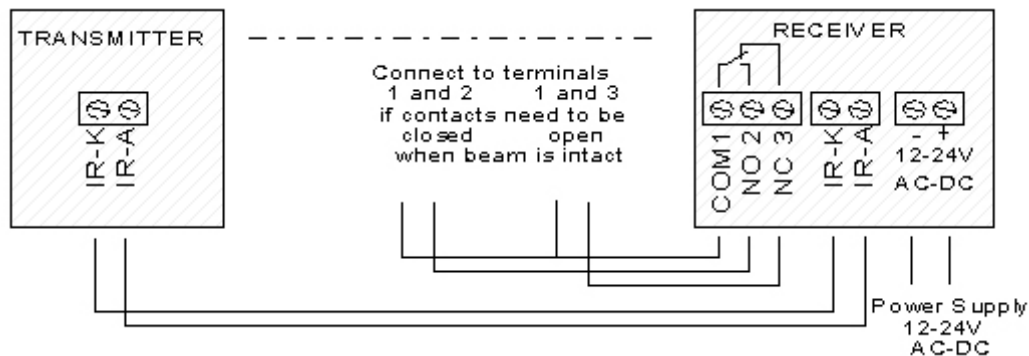
Installation

Mount units so that transmitter and receiver are in line and parallel to each other.

It is important to mount the receiver on the side most sheltered from the setting sun.

To test alignment, interrupt the beam with an object measuring approximately 200mm x 200mm. The relay will de-energise and the LED will turn off.

If detecting motor vehicles or similar, the mounting height above ground must be considered so that vehicles are detected under all conditions. For cars, a height of 600mm would be satisfactory but for trucks this is probably too low as the beam may pass under the tray. In some cases, two SB-3 beams, mounted at different heights, may be required in order to detect vehicles under all conditions.



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