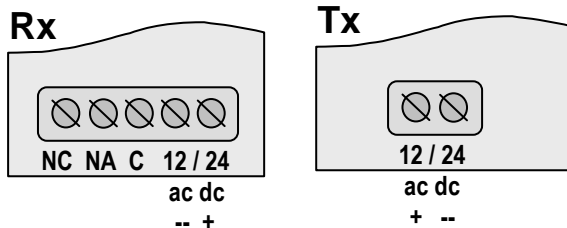


## Functional description

C911 is a single relay infrared photobeam working from 12V or 24V ac/dc. The slim body ensures the beam can be placed at the very edge of the opening. The circuit board inside can be set for -90° or 0° or +90° angle.

A LED on the Tx is lit all the time. The Rx LED is on when the beam is uninterrupted. Both are visible through the case.



C911 specification	
Power	12/24V ac/dc
Range	10m
Dimensions	25 x 22 x 130mm
Rx light	38mA@24V    22mA @ 12V
Rx dark	26mA @ 24V    8mA @ 12V
TX current	38mA @ 24V    50mA@ 12V
Wavelength	950nm
Modulation	1.33kHz
Relay	1A @ 24Vac SPCO
IP rating	IP55
Angle	-90° or 0° or +90°
Beam splay	-10db @ ±20°

## Installation

Infrared elements should be 500mm to 600mm from ground level. Screw the case back plates flat mounting surfaces to be sure the O ring water seal is effective. Terminals take 22 awg wire or less (0.2mm<sup>2</sup>). Cables should be sealed into the case back plate with electricians putty or grommet supplied.

It is a good precaution to spray a conformal coating on the PCB before closing. WD40 also is a good insert repellent. Clip the covers on and secure with the two screws provided.

## Connections

Relay contacts are volt free. Relay response time is suitable for being driven from a Cat.2 switched power supply. C911 runs from 12V or 24V. Insert the jumper for 12V operation. When running from a dc supply the photobeam is polarity sensitive.

