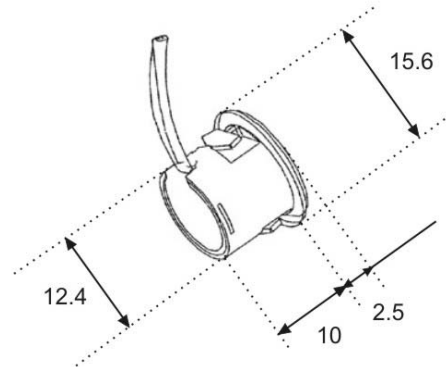


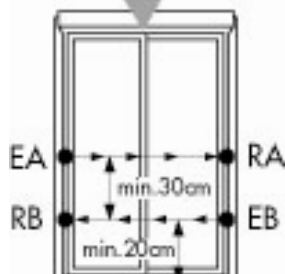
INFRARED BARRIERS WITH CYLINDRICAL HEADS

1 General information



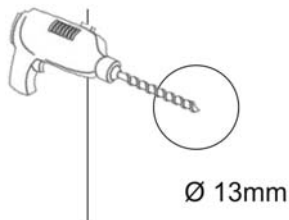
2 Installation

1



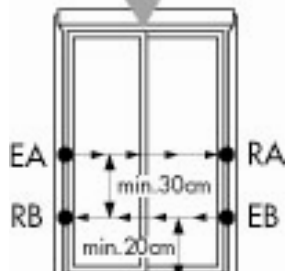
- a) Choose the installation height.
- b) When installing two barriers, make sure they are at least 30cm apart.
- c) Make a mark.
- d) Make sure that the first barrier is at least 20cm above the floor.

2



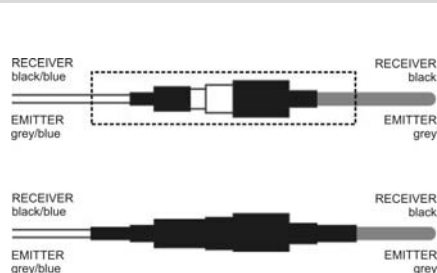
- e) Drill a 13mm hole in each door upright.

3



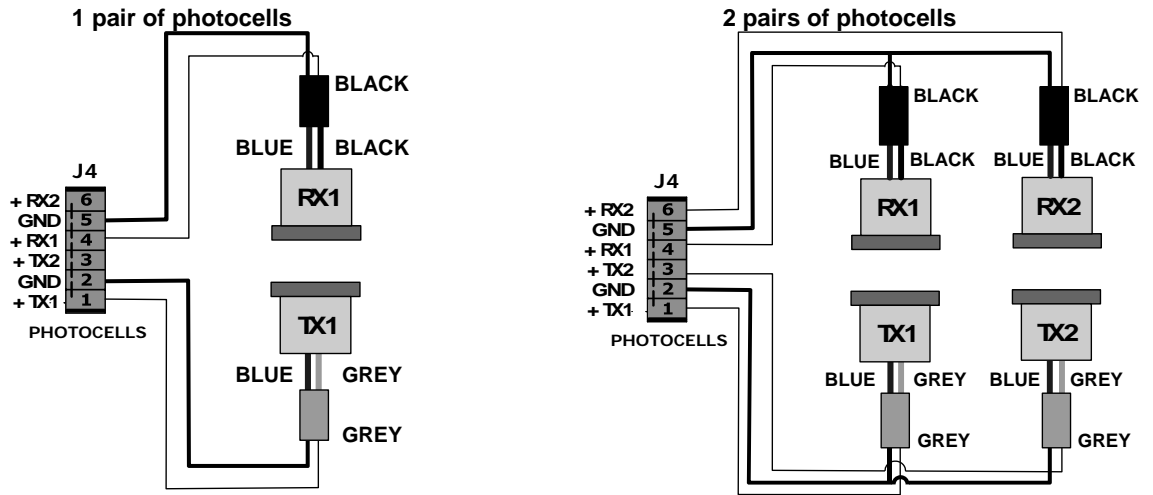
- f) Slide the heads and cables into the profiled sections.
- g) Make sure to reverse the direction of propagation of the beams by sliding one emitter AND one receiver into each upright.
- h) Check that a receiver is correctly situated opposite each emitter.

4



- i) Slip the heat shrink tube on the wire
- j) Connect the heads and the wire
- k) Place the heat shrink tube on the wire
- l) Heat the tube with a lighter until it suits the shape of the connector. But do not damage the wires!

3 Connection



Further information can be found on the electronic control box.

4 Troubleshooting

SYMPTOMS	POSSIBLE CAUSES	CORRECTIVE ACTION
The door stays permanently open.	Faulty connection	Check the connection of the emitter and receiver.
Erratic detection	Beams interference	Check if the distance between the beams and the crossed beams is big enough.

5 Technical specifications

EMITTER HEAD

Emitter peak supply voltage	: 5V +/- 5%
LED peak current	: < 150mA

RECEIVER HEAD

Power supply voltage	: 5V +5% / -10%
Supply current	
Permanent current (no detection)	: < 1mA
- Output transistor OFF	
Additional current (detection)	: 5mA +/- 10%
- Output transistor ON	

EMITTER + RECEIVER HEADS

Technology	: active infrared beams
Minimum range	: 1m
Maximum range	: 5m (at minimum height of 0.2m)
Beam aperture half-angle	: 8°
Detection mode	: presence (by interruption of the beam)
Temperature range	: -20°C to +55°C
Immunity	: sunlight= 75000 lux, incandescent lamp= 25000 lux (at angle of 8°) electrical and radiofrequency interference in accordance with EMC 2004/108/EEC
Detection head sealing	: IP 65 (DIN40050)
Dimensions	
Body	: 10mm (embedded length) x 12.4mm (diameter)
Collar	: diameter 15.6mm
Cable length	: 10m
Weight (heads + cable)	: 130 g
Material	: ABS/ PMMA
Cable colour (heads)	
Receiver	: black/blue
Emitter	: grey/blue
Cable colour	
Receiver	: black
Emitter	: grey

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