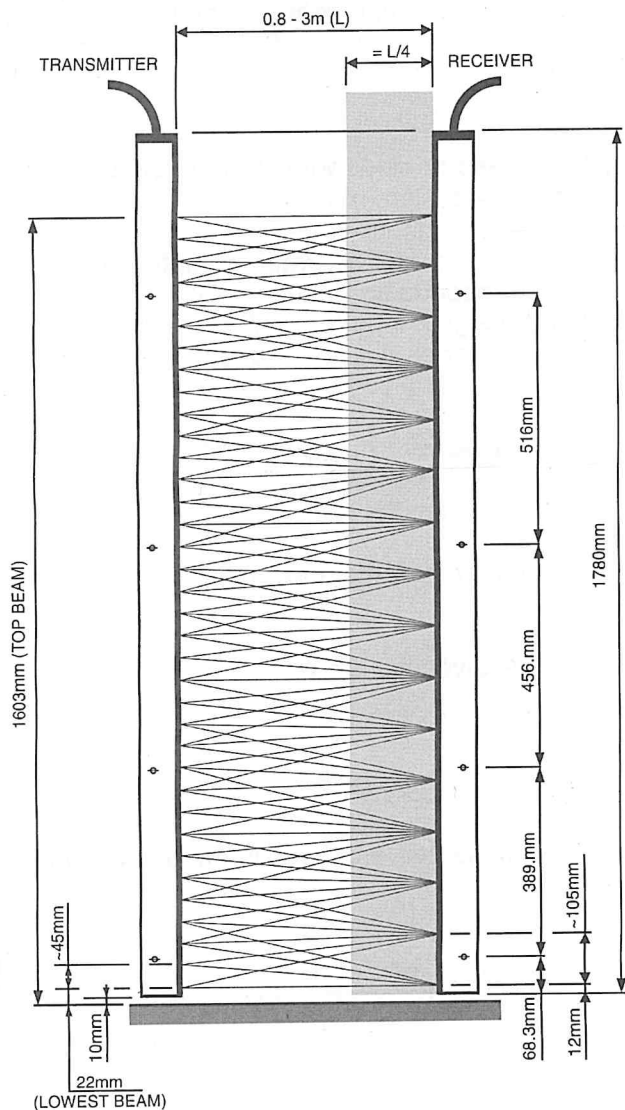


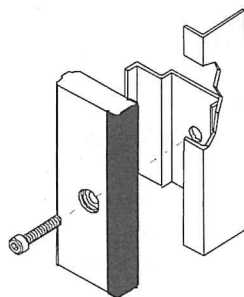


KM51161816.C / KM51184564.C / KM51184565.B / KM51184830.B FCU 0796FI05,06,07,08 SLIMSCREEN SYSTEM INSTALLATION

Mechanical Detail

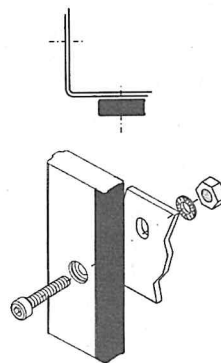


Slam Post



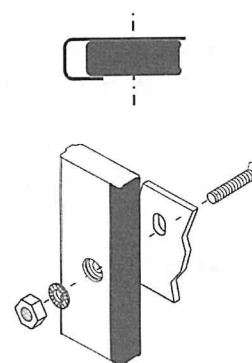
Secure 'Transmitter' to car front wall with clips provided using M4 screws
Secure 'Receiver' to sill end profile
Note: 'Receiver' may **NOT** be fitted to the **SLAM**

L Bar Sill End



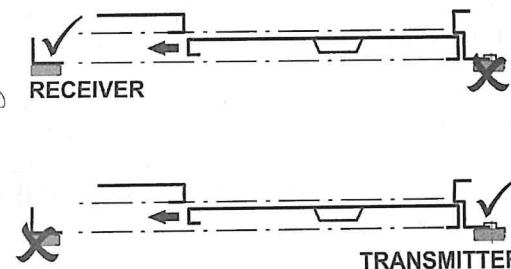
Secure 'Slimscreen Transmitter & Receiver' to profile using: M4 Screws provided

J Bar Sill End



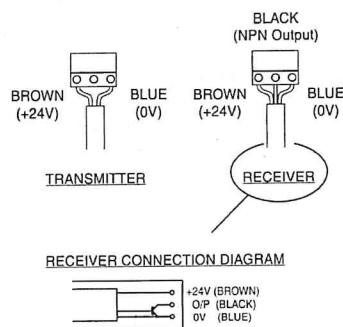
Secure 'Slimscreen Transmitter & Receiver' to profile using: M4 Screws provided with Door package

Side opening door



CAUTION DO NOT OVER TIGHTEN THE SCREWS

Electrical Connection



FCU 0796 SLIMSCREEN SYSTEM SPECIFICATION

Item	Details	Additional comments
Range of detection	0.8 - 3.0m	Track end mount
Number of beams	96 non-focused	Infra-red
Fail safe conditions	Faulty cable or Supply failure	Fail safe to both Short or Open circuit faults
Control unit	Optional	Universal Interface available
Supply Voltage	+18 to 30V DC	Class 2 Supply
Cable supplied	Two X 2.7m Length (approx)	0.5mm Sq. 28/0.15mm Attached
Case material	Aluminium alloy	Anodised
Lens filter	Infra-red transparent plastic	Permanently fixed
Installation Kit	Instructions - 1 Screws M4.0 x 14mm - 8 Nuts M4.0 - 8 Washers Lock M4.0 - 8 Car Wall Clamps - 4	Socket Head
System Approvals	cULus, CE, EN81-20	EMC EN12015 & EN12016



KM51161816.C / KM51184564.C / KM51184565.B / KM51184830.B FCU 0796FI05,06,07,08 SLIMSCREEN SYSTEM INSTALLATION

IMPORTANT - The Slimscreen is a sealed unit; the plastic lens filter cannot be removed without damage.

INSTALLATION DETAILS

1. The Slimscreen Transmitter should be mounted in a fixed location to the rear of the door track or clamped to the car front wall with the plastic edge facing the entrance. The Slimscreen Receiver **MUST** always be mounted on the track end. The Receiver must **NEVER*** be mounted to the Slam Post or front wall.

Note* Not following this instruction will result in non-conformance with EN81-20 regulations.

2. Secure the units to either the sill ends or the transmitter to the Slam post using the appropriate fixing accessories supplied.

3. **THE BOTTOM OF BOTH UNITS MUST BE MOUNTED 10MM ABOVE THE SILL TO CONFORM WITH THE REQUIREMENT OF EN81-20 REGULATIONS.**

ELECTRICAL CONNECTION

The Slimscreen is designed to connect directly to AMD and ADV type door operators without the use of a control box. (All other installations will require the Universal Interface FPS series).

Photo Cell (P.C.)

Both the (Brown wire) of the Transmitter and Receiver must be connected to +24v and the (Blue wire) to GND, the P.C. supply is the most appropriate. The Receiver also has a Black signal wire which must be connected to the P.C. input on the car door operator.

The output from the Slimscreen is by means of an open collector NPN transistor. This will pull the signal line low (to GND) when the beams are not obstructed.

COMMISSIONING

In the operational state the only visible indication of system operation is the small red LED, located on the Receiver unit and viewed through the plastic lens filter. This will only be illuminated when the beams are obstructed (see Trouble Shooting section).

The signal line can also be measured to change from GND to 24v if the beams are interrupted.

On the door operator beam, obstruction is indicated by a green LED on the P.C. input. This LED is on if there is **NO** obstruction between doors.

TROUBLE SHOOTING

The system is designed to fail safe, due to either cable or supply failure.

To determine the most likely cause of a problem first look at the Receiver unit (to identify the RECEIVER unit place an obstruction between the COL to cause trigger of red LED located approx. 1.7m from floor) and determine whether the red LED is on or off. It should normally be off and only come on when the beams are obstructed.

If the led is off, but the doors will not close or close with nudging speed (if the option is selected on the elevator), there are three most likely causes:

1. The 24v supply is not present on the unit - check cables and supply.
2. The signal output is disconnected from the door operator or controller.
3. The door operator or controller is not responding to the signals.

This can be checked by connecting the signal input to GND, this should allow the doors to close with normal speed. If it does not, the problem lies within the control system.

If the led is on, but the doors will not close with normal speed or at all, there are three most likely causes.

1. The 24v supply is not present on the Transmitter unit.
2. The units are obstructed or very dirty.
3. The distance between the units is greater than the maximum specified.
4. The alignment of the units is not correct.

If none of the previous possibilities resolve the problem, substitution of the units is necessary.

ROUTINE MAINTENANCE

The system will be maintained in optimum working condition if the plastic lens filter on the leading edge of the Slimscreen units are periodically cleaned. Extreme build-up of dirt and dust can cause beam obstruction and subsequent false triggering.