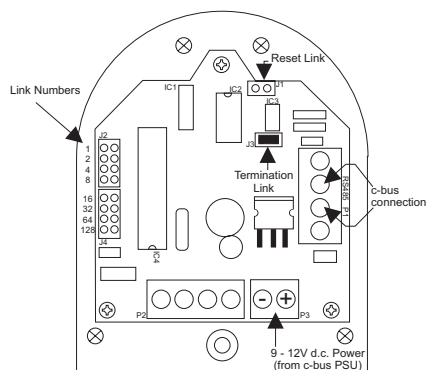


PCB Diagram



Powering the c-bus PIR

Local Power Connection

The PIR is powered by 12V d.c. taken from an external PSU. The Power is connected to P3 as shown above, positive and negative are detailed on the PIR casing.

Remote Power Connection

The c-bus PIR may also be powered remotely, from the c-bus alarm module. In this case, the link J3 must be fitted on the alarm module PCB, and power is taken from pins 1 & 4 on P4 on the alarm board PCB. (Pin 4 is positive and located next to J3).

Connecting to the c-bus network

Connection to the c-bus is via pins 2 & 3 on P1, as detailed on the PCB diagram above.

PIN 2 = A

PIN 3 = B

Termination Link

The termination link is located at J3. When looping through, ensure that this link is fitted on the first and last unit in the loop through sequence.

Setting c-bus addresses (J2)

The default address for the PIR on the c-bus is 144. This is enabled by selecting PIR from the alarm inputs menu of the relevant multiplexer manual. However, if a second or subsequent address is required, then the OTHER option must be selected from the menu and the new address keyed in. This address can be anything from 1 to 255 and must also be set on the PIR PCB. This is done by adding links on to J2. The links are numbered on the PCB diagram opposite, and must be added so that the total number of links adds up to the required address. (i.e setting the address to 75 would require adding links 64, 8, 2 and 1 - $64+8+2+1=75$).

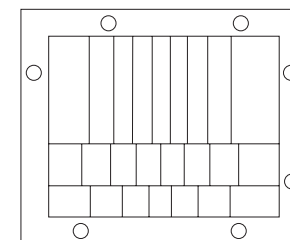
Sixteen further examples are given below.

Address	Link Number							
	1	2	4	8	16	32	64	128
144	0	0	0	0	1	0	0	1
145	1	0	0	0	1	0	0	1
146	0	1	0	0	1	0	0	1
147	1	1	0	0	1	0	0	1
148	0	0	1	0	1	0	0	1
149	1	0	1	0	1	0	0	1
150	0	1	1	0	1	0	0	1
151	1	1	1	0	1	0	0	1
152	0	0	0	1	1	0	0	1
153	1	0	0	1	1	0	0	1
154	0	1	0	1	1	0	0	1
155	1	1	0	1	1	0	0	1
156	0	0	1	1	1	0	0	1
157	1	0	1	1	1	0	0	1
158	0	1	1	1	1	0	0	1
159	1	1	1	1	1	0	0	1

Reset Link

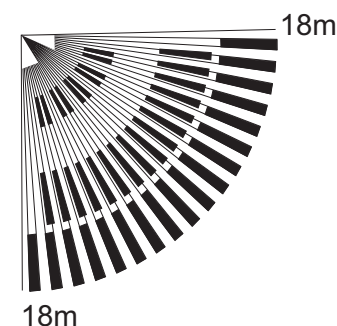
The link at J1 is the reset link. Adding the link will cause the execution of a complete system reset. This is useful if the address has been changed, as it negates the need to physically disconnect and reconnect the cabling prior to startup.

Curtain of Operation (standard lens)

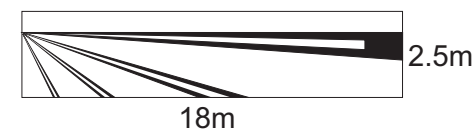


9 Main Facets
8 Intermediate Facets
5 Short Facets
2 Creep Zones

Plan View



Side View



For more details on this product, please refer to the relevant multiplexer manual.

Description

The c-bus PIR has been designed for use whenever a passive contact is required for an alarm installation. The c-bus PIR will cost-effectively provide relay activation over the c-bus network.

CAUTION!

The user is advised to read and to take notice of the following cautions:

DO NOT expose the module to rain or moisture, as this may cause a fire or electric shock.

DO NOT drop the module or expose it to other shocks or vibrations as this may result in damage to the unit.

Refer all servicing to qualified personnel.

Read all instructions in this manual before attempting to set up or operate the module.

Technical Specification

Sensor: Double element sensors and high density precision optics for reliable operation.

Range: 18m (max) detection range through 90° volumetric angle on 4 planes.

Power: 12V d.c. terminals (for external PSU) provided for remote installation.

Dimensions: 55 (W) x 90 (D) x 80 (H) mm.

Weight: 45g (max).

Component Checklist

c-bus PIR ☐
Owners Guide for Setup & Operation ☐

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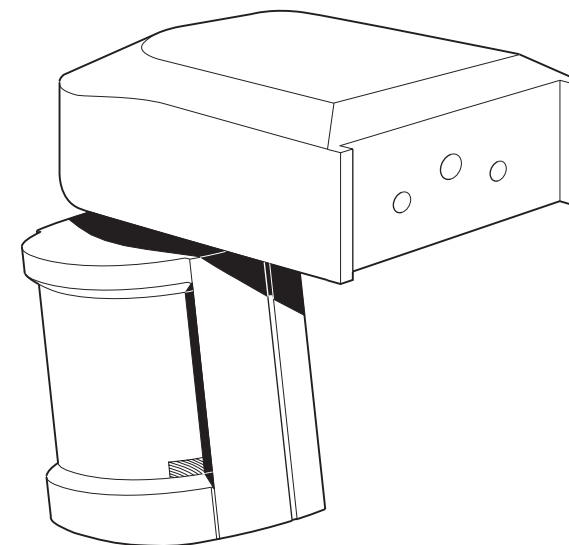


BSIA
THE BRITISH SECURITY
INDUSTRY ASSOCIATION

DEDICATED MICROS

c-bus PIR

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