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Lochend Industrial Estate Newbridge, Edinburgh Guardall Limited EH28 8PL Scotland

Instructions

norma module for Place this

pets, etc

**(a)** 

### Diagram 1 operation (as way into the **(E)** way to mask all fill-in Rotate Pet Alley Mask (G) and place this beams for A Corner Mounting Screw Holes B Wall Mounting Screw Holes C LPB2 Mounting Screw Holes (6)

## Part No. 320325 - 01

## nstallation

### Description

### Diagram 1

- Front Cover
- Front Cover Screw (loosen only do not remove)
- Terminal Block (see Diagram 2 for details)
- 7654 Pulse Count Link - LK1
- LED Enable Link LK2 amper Spring
- LED Display

contacts. Rated at 24 V, 50 mA d.c.

Normally closed, voltage free switch

Approximately 3 seconds

1012 series protection resistor

-10°C to +55°C (14°F to 130°F)

+2° to -12° vertically, +/-5° horizontally

- ့ စ Cens
- Lens Clamping Screws (2 off loosen only do not remove)
- Lens Declination Indicator
- Sneak Lens
- Cable Knockout Positions
  - Spare Terminal Connection (Optional) Cable Channel
  - Cable tie Anchor Point
  - Off-the-Wall Tamper Mounting Points (Optional)
- Pet Alley Mask Module Retaining Clip

supply to activate. Must have common

Normally 0 V or open circuit, detector Available on Apollo Elite only.

100g approximately

AP12/3 Volumetric Lens

Packed Weight

Dimensions (HxWxD)

Accessories

W72321 W72706 W72705 W72704 96 x 63 x 43 mm ground with detector

LPB2 (Low Profile Bracket -

providing +/-45" Horizontal/ vertical adjustment)

Curtain Lens AP20/3 Corridor Lens Remote LED Enable

Remote control of unit LED via LED Test

Internal link to enable Internal link to enable when corner mounted

Pulse Count Walk Test LED Coverage Adjustment Temperature Range Alarm Period

amper Output

Alarm Output

2 V peak to peak at 12 V d.c. Normally closed, voltage free relay 8.5 mA maximum at 12 V d.c.

contacts. Rated at 24 V, 50 mA d.c. with

Maximum Ripple

Current Voltage

8.5- 16.5 V d.c.

Specification

Power

Control Line

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	12V +	-	Ø	Diagram 2
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	ALARM	ယ	Ø	-q
		4	Ø	
-	TEST	5	Ø	
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Apollo Elite only				
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### Mounting

- The recommended mounting height is 2.3 metres. This optimum detection. raised or lowered if required and the lens adjusted to g
- Consider the area to be protected and select the appro type (see Diagram 3 - Volumetric lens supplied).

environments, the normal professional installation guideling be followed. Although Apollo is designed to tolerate a wide range of

- Avoid the main false alarm sources.
- \*Sunlight shining directly onto the detector
- Mount the detector on a stable surface which is not sub \*Strong air draughts onto the detector

vibration.

Large objects placed in front of the detector will cause s changes in coverage.

# **Lens Declination Positions**

- A Horizontal Main Beams (normally used for pet alley wi beams masked
- B Normal Position
- C Full declination, detection range about 50% at recomm mounting height

# **Checking Detector Operation**

- Switch on power and ensure that the voltage at termina is between 8.5 and 16.5 V d.c.
- A flashing LED will show if the voltage is too low.

- Walk Testing

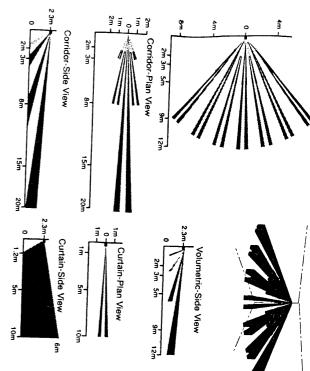
   With the LED link fitted (as supplied), walk test the area that the LED lights when you are in range, indicating co-
- Vertical adjustment (approximately +2°, -12°) of the covpattern is possible by loosening the lens clamping screv moving the lens up or down until the correct coverage is
- obtained
- (approximately +/-5\*) of the coverage pattern can be ac by moving the base sideways before tightening the wall In corner mount installations, horizontal adjustment
- Normal operation of 12m range, at a mounting height of
- should have the lens set to B.
- Tighten the screws after adjustment. Check tamper operation.

# LED Enable Link/Jumper

- This link (when fitted) enables the walk test LED If the walk test LED is not required during normal operations and park the LED enable link on one pin.
- If the control panel provides an LED control line, then the connected to the detectors LED Test Line for remote op The LED can only be controlled remotely if the LED link removed and parked on one pin

## Pulse Count Link

The detector has been factory set to pulse count. This is recommended only for volumetric applications and not to curtain or corridor applications. Pulse count can be disafitting LK1. When Pulse Count is selected, the LED will the least of every threshold crossing



Alarm Memory (Apollo Elite Only)

Alarm memory means that should an alarm occur when the system is Set, then the LED will not illuminate but the alarm will be memorised by the detector. When the system is subsequently Unset, the LED will light constantly on the detector that had armed. Reset occurs the next time the system is Set.

For correct operation, the Control Input must be wired as follows:

Low or Open Circuit Control Line Set Unset Mode

Note: If alarm memory is not required, then the Control Line need not be wired.
If the LED Test Line is activated the detector can be walk tested normally, without losing its alarm memory.