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	ECO.	D.NO ZONE		DETAILS	DESIGN	DATE
				二次发行,更换产品效果图		2019-12-16
1						-

Notes:

- Material: 80g printing paper, white.size 290*210MM.
 Printing: Black
 Pack and tie a label with part number 0-ML00-3119-01-1.

$\square \oplus \square$		青嵘科技有限公司 A&R Technologies Ltd.							
DIMENSION TOLERANCES OTHERWISE SPECIFIED	UNLESS CLIENT			PAR	T NAME		英文	て版说明	明书
>0.0AND≤5 +/-0.05 >5AND≤10 +/-0.06	55mm 60mm MOULD N		MCDP-08		PART NO		0-ML00-3119-01-1		
>10AND≤25 +/-0.07 >25AND≤50 +/-0.10	00mm MATERIA	NL	REV	2	DESIGN	范	运绮玲	DATE	2019-12-16
>100AND≤100 +/-0.10 >100AND≤150 +/-0.20 >150 +/-0.20	00mm SIZE	/	SCALE	/	CHECK			DATE	
Angular +/-0.2	^{5°} SHEET		UNIT	mm	APPROVAL			DATE	
C			θ				▶		

MCDP-08 Operation and Specification

SUREN

M-TEC[™] Presence Sensor Patented HDIR[™] + Ultrasonic

MCDP-08 is designed specifically for museum or jewelry shop to protect artifacts/jewelry inside display cabinet, it triggers alarm when the cabinet door is opened or hand movement is detected.

MCDP-08 embodies the technology of SUREN's proprietary 8-element pyros and ultrasonic motion detection into one easy-to-install presence sensor. Mounted at a height of 2.4m, this sensor provides full circular 8m diameter detection for minor motion, e.g. hand movement of people in that area.

MCDP-08 can be surface mounted or flush mounted for an attractive, unobstructive appearance.

<u>Operation</u>

Initialization:

The sensor becomes operational 30 seconds after power is supplied, The red LED will turn on.

Function Discription:

M-TEC[™]Mode 1 Switch A1(off),A2(off);Ex-factory default setting. this mode is selected in harsh environment. Both HDIR[™] and Ultrasonic must detect movement to activate output.

M-TEC[™]Mode 2 Switch A1(off),A2(on);Either HDIR[™] or Ultrasonic detects movement to activate output. This mode is selected when higher sensitivity is desired.

HDIR[™] Mode Switch A1(on),A2(off); Ultrasonic is disabled. This mode is selected where Ultrasonic is prompt to environmental interferences.

Ultrasonic Mode Switch A1(on),A2(on); HDIR[™] is disabled. This mode is selected where HDIR is prompt to environmental interferences.

Accessories:

- (b) Brackets, screws and wall plugs for surface mount
- Spring clips for flush mount in drop ceiling
- Infra red zone mask

Location:

- Determine the number of sensors required to cover the floor area
- Install the sensor near work area where walk-path cuts across radial lines, not towards the sensor
 Destination of the sensor set install the sensor set insta
- \odot $\hfill Do not install the sensor near ventilation outlet$
- Avoid facing the ultrasonic transceivers to each other to minimize interference

Setup Procedure:

- See illustration in the next page
- \odot Connect the sensor as shown in the wiring diagram. Make sure power supply is turned off
- Turn on the power supply after completed installation
- See Settings section for various sensor setting
- \odot $\;$ Initiate test mode, replace the cover and conduct walk-test $\;$

LED Indicator:

- ① LED indicator can be enabled or disabled by dip switch B2
- () Red LED indicates motion detected by infra red sensor
- () Green LED indicates motion detected by ultrasonic sensor

Specification

Power Supply:
10-16 V DC

Power Consumption: 0.86 W

Control Signal Output: 12 V DC, 15 mA

PIR Sensor: Pyroelectric, 8-element

Ultrasonic Frequency: 40 Khz H**ousing Material:** High-impact ABS

Dimension: 110mm Diameter x 56 mm Height

Operating Temperature Range: -10° to 50° C

RF Immunity: 20 V/m 10-1000 Mhz; 10 V/m 1-2 GHz

Approvals:



www.surensystems.com

Product Installation Drawing:





Detection Area:







