2MEX3PLD

Explosion-proof 3x Beam Laser Intrusion Detector

Features

- 3x laser detectors
- 19.6" in. tall
- Explosion-proof casing rated IP67
- Protective circuit barrier for safety
- Power surge protection
- Stable signal output
- Multiple frequency output/input and identification
- Can be used outdoors

Description

- Intrinsically safe laser detection technology.

- Double current and double voltage limiting, high power absorbing element. The equipment operates without using a spark, it uses a ceramic end to ensure there is no spark. Responds quickly.

- Anti-strong light interference: the receiver adopts professional narrow band filter + bandpass filter technology, which can effectively filter 99% stray light from the outside world, and is not disturbed by sunlight, searchlight, automobile strong light and other light sources.

- Optical path stability: independently developed the patented laser module technology, quick and convenient dimming, the original optical path self-locking function to ensure the stable operation of the equipment.

- IP67 protection grade: aluminum alloy shell fully sealed dust proof, waterproof, insect-proof, anti-dismantling design, stronger environmental applicability.

- Easy to maintain, no disassembly required. Laser tube can be replaces without removing the housing.

Specifications

Model	2MEX3PLD-100	2MEX3PLD-300	2MEX3PLD-500
Laser Wave Length	650nm	808nm	980nm
Detect Range	100m/328ft	300m/1146ft	500m/1911ft
Guard Distance	0 - 500m/0 - 1640ft		
Explosive-proof Grade	ExibmbIIBT6 Gb		
Working Voltage	DC12V±10%		
Product Dimension (LxWxH)	60 x 80 x 498 (mm)/2.4" x 3.1" x 19.6" (in.)		
Chassis Dim. (LxWxH)	110 x 130 x 6 (mm)/4.3" x 5.1" x 0.24" (in.)		
Installation Hole Size	4 φ10 holes in even distribution		
Anti-dismantling Output Pattern	A set of normal close contact. Contact capacity: AC125V/0.5A, DC24V/2A		
Alert Level	Three layer alert		
Alarm Mode	Beam blocking alarm		
Alarm Time	2s ± 1s (1-30s optional)		
Alert Distance	0-500m		
Alarm Output Mode	A set of relay normally open/normally closed contact. Contact capacity: AC125V/0.5A, DC24V/2A		
Response Time	5ms-500ms (adjustable)		
Divergence/Receiving Angle	Divergence angle: horizontal <3' Receiving angle: >10°		
Optical Axis Adjustment	Horizontal ±30° Vertical ±30° (range adjustable.)		
Material	Aluminum alloy		
Working Temperature	-40°C to 70°C/-40°F to 158°F		
Protection Class	IP67		
Laser Light Source Type	A safety laser light source, class I		
MTBF	120,000H		
Material	Aluminum alloy		

Distances Available:

MODELS			
Model Name	2MEX3PLD-100	2MEX3PLD-300	2MEX3PLD-300
Detect Range	100m/328ft	300m/1146ft	500m/1911ft

Dimensions:

REV04122021

FC CE RoHS