PAL-XD®
Leak Detection System
Models No: XD-100, XD-250, XD-500

Overview

The PAL-XD® leak detection system is designed to monitor small areas for liquid leaks. The FM7745 approved system can detect both electrically conductive and non-conductive liquids. Its compact design and ease of installation is ideal for applications such as unmanned equipment rooms, telco base station, and small tanks. The PAL-XD® can operate as standalone leak detection system, as part of an enterprise solution of multiple networked PAL-XD® systems monitored by PALCOM® software or as an integrated solution with a third party BMS systems.

PAL-XD® Series Model Overview

Model No.	Part Number	No. of Channel	Cable Length/Channel ft / (m)
XD-100	8027941	1	100 ft / (30 m)
XD-250	8027942	1	250 ft / (76 m)
XD-500	8027943	1	500 ft / (150 m)
XD-SPE	8027944	1	Customizable length, max 500 ft / (150 m)

Features & benefits

- Fast response in detecting both electrically conductive and non-conductive liquids
- FM7745 approved to detect hydrocarbon in less than 30 seconds
- Monitors and displays for leak, break, short and disconnected cable conditions
- IP30 rated small form factor device ideal for indoor application
- Ruggedized sensing cable that's not susceptible to dust/dirt contamination
- Easy Setup and control via 2 buttons
- Built-in webpage with access of 1,500 event logs
- IECEx / ATEX approved for Class I Div 1 Groups C & D hazardous locations when used with Zener Barrier

Specifications

physical & mountings

Dimensions:	7.75" x 6.50" x 1.63" / (197mm x 165mm x 42mm)
Weight:	2.36 lb. / (1.0 kg)
Mounting:	Wall mount keyholes and Din rail clip mounting holes on back of panel (Optional Din Rail clip hardware included)

environmental and performance

Operating temperature:	0°F to 122°F / (-18°C to 50°C)
Max Humidity:	95% RH at 122°F / (50°C)
Enclosure Rating:	IP30 – standard indoor only
Hazardous Location Approved	Class I Division 1 Groups C and D

electrical & communications

Supply Voltage:	24 VDC, 1 A, 24 VA
Communication:	Ethernet, RS-485 x 2
BMS Integration:	Modbus RTU, Modbus TCP/IP, BACnet, SNMP
Relay Type:	SSR-NO Relays, 0.5A / 60 VAC or VDC
No. of Relays:	3 x SSR-NO Relays

regulatory compliance

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