



PAL-AT[®] Series

Leak Detection System

Models No: AT30C, AT75C, AT30K

Overview

PAL-AT[®] is a versatile leak detection controller with advanced features that can detect leaks of conductive and non-conductive liquid. The superior sensing technology can support wide range of applications for water, corrosive liquids, hydrocarbons and dielectric fluids. The PAL-AT[®] can operate as standalone leak detection system, as part of an enterprise solution of multiple networked PAL-AT[®] systems monitored by PALCOM[®] software or as an integrated solution with a third party BMS systems via Modbus or BACnet.

PAL-AT[®] Series Model Overview

Model No.	Sensor Channels	Max Cable Length/Channel ft / (m)	Total Cable Length ft / (m)
AT30C	1	7,500ft / (2300m)	7,500ft / (2300m)
AT75C	2	7,500ft / (2300m)	15,000ft / (4600m)
AT30K	4	7,500ft / (2300m)	30,000ft / (9200m)

- Accurate detection of multiple leak locations simultaneously
- Built-in intelligence and monitoring to detect breaks and shorts
- Heads up display to provide system health status
- Comprehensive events and logs stored locally with simple download function
- Dust and dirt proof to eliminate false alarm
- IP52 rated enclosure for indoor application
- Optional NEMA 4X or IP66 enclosure available
- Modbus TCP, BACNet, Modbus RTU and Modbus RTU over TCP protocols for 3rd party integration
- Compatible with PALCOM[®] as networked solution for remote monitoring
- Customizable security logins to ensure maximum security
- FM approved for FM7745 – Diesel leak detection
- Optional Zener barrier panel for intrinsically safe requirements (REF. Zener barrier panel datasheet)
- Hazardous locations rating: Class I, Division 1, Groups C & D, Zone 0 and Group IIB

physical & mountings

Dimensions:	13.75" x 11.81" x 4.00" / (350mm x 300mm x 102mm)
Weight:	Standard model: 14.6 lb / (6.6 kg)
Mounting:	Wall mount thru holes on back of panel

environmental and performance

Operating temperature:	32°F to 122°F / (0°C to 50°C)
Max Humidity:	95% RH at 122°F / (50°C)
Ingress Protection:	IP52 - standard Indoor only
NEMA Rating:	NEMA 12 - standard Indoor only
Enclosure Option:	IP66 or NEMA 4X (Optional for outdoor)

electrical & communications

Supply Voltage:	110-240 VAC, 50/60 Hz, 0.3 A / 70VA 24 VDC, 60W
Ethernet Port:	1 Port
Communication Ports:	Port 1 – RS485 or RS232 Port 2 – RS232
Relay Type:	SPDT Dry Contacts, 10A / 250 VAC
No. of Relays:	AT30C x 3 AT75C x 4 AT30K x 6

regulatory compliance



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