



PAL-AT[®] Series Leak Detection System Model Nos.: AT30C, AT75C, AT30K

Overview

PAL-AT[®] is a versatile leak detection controller with advanced features that can detect leaks for a wide range of applications for water, corrosive liquids and hydrocarbons. The PAL-AT[®] can operate as a 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 third party BMS systems via Modbus or BACnet.

PAL-AT[®] Series Model Overview

Model No.	Sensor Channels	Max Cable Length/Channel ft. / (m)	Total Sensor Cable Length ft. / (m)
AT30C	1	3,000 ft. / (900m)	3,000 ft. / (900m)
AT75C	1	7,500 ft. / (2300m)	7,500 ft. / (2300m)
AT30K	4	7,500 ft. / (2300m)	30,000 ft. / (9100m)

Features & Benefits

- 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 third party integration
- Compatible with PALCOM[®] as a 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

Specifications

Physical & Mountings

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

Environmental & Performance

Operating Temperature:	-4°F to 122°F / (-20°C to 50°C)
Maximum 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, 0.3A/50VA 24 VDC, 1 A/24 VA
Ethernet Port:	1 Port
Communication Ports:	Port 1 - RS485 or RS232 Port 2 - RS232
Relay Type:	SPDT Dry Contacts, 10A / 250 VAC
Number of Relays:	AT30C x 3 AT75C x 3 AT30K x 6

Regulatory Compliance



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