



PAL-TS® Series

Leak Detection System

Models No: TS75C, TS30K

Overview

PAL-TS® 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-TS® can operate as standalone leak detection system, as part of an enterprise solution of multiple networked PAL-TS® systems monitored by PALCOM® software or as an integrated solution with a third party BMS systems via Modbus or BACnet. The enhanced touch screen user interface provides intuitive user interface with real-time facility layout for ease of locating leak locations.

PAL-TS® Series Model Overview

Model No.	Sensor Channels	Max Cable Length/Channel ft / (m)	Total Cable Length ft / (m)
TS75C	2	7,500ft / (2300m)	15,000ft / (4,600m)
TS30K	4	7,500ft / (2300m)	30,000ft / (9,200m)

Key Features

- Detects conductive & non-conductive liquid such as water, sulfuric acid, hydrocarbon, and dielectric fluids
- Capable of detecting multiple and growing leaks
- Heads up display to provide system health status
- 10" touchscreen monitor option available with real-time facility layout
- Comprehensive events and logs stored locally with simple download function
- Dust and dirt proof to eliminate false alarm
- NEMA12 / IP52 rated enclosure for indoor application
- Optional NEMA 4X / IP66 enclosure available
- Modbus TCP, BACnet® and Modbus RTU over TCP protocols for 3rd party integration

Specifications

Physical & Mountings

Dimensions:	13.75" x 11.81" x 4.66" / (350mm x 300mm x 120mm)
Weight:	19.3lb / (8.75kg)
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, 3.0 A 24 VDC, 92W
Ethernet Port:	1 Port
Communication Ports:	1 x RS485 per PAL-AT Subpanel
Relay Type:	SSR-NO Relays, 0.5A / 60 VAC or VDC
No. of Relays:	TS75C x 4 TS30K x 8

Regulatory Compliance



The information contained in this document is subject to change without notice. PermAlert, a Division of PERMA-PIPE, Inc., believes the information contained herein to be reliable, but makes no representation as to accuracy or completeness. PermAlert offers a sole and exclusive warranty as is stated in the Standard Terms and Conditions of Sale for these products. In no event will PermAlert be liable for any indirect, incidental, or consequential damages.

BACnet® is a registered trademark of ASHRAE.

PermAlert

Tel. No.: (847)966-2190

Fax No.: (847)470-1204

www.permalert.com