



LiquidWatch II[®] Series

Leak Detection System

Models No: LW2000

Asahi/America Part Number: 4890011

Overview

LiquidWatch II[®] is a highly modular leak detection system designed to detect water and volatile liquids using discrete probes with fast sensing response time. The system is expandable up to 64 probes and alarm relays. And the system can monitor probes up to 20,000 ft. away when connected to the Remote Probe Module (RPM-8). With the built-in intelligence at the control panel, the LiquidWatch II[®] system can operate as standalone system or connected as a networked solution centrally managed by the PALCOM[®] software. The system also support 3rd party BMS integration via Modbus and BACnet protocols.

LiquidWatch II[®] Series Model Overview

Model No.	Description
LW2000	LiquidWatch II Monitoring Unit
RPM-8	LiquidWatch Remote Probe Module
ORM-4	LiquidWatch Relay Module

Features & benefits

- Sensing of organic liquids (hydrocarbons and solvents) or water
- Up to 64 probes and programmable alarm relays
- Vapor and gases are ignored
- Intuitive HMI interface for easy setup and diagnostics directly at the panel
- Customizable passcode login to ensure maximum security
- Built in with Ethernet port, RS-232, and RS-485 for communications
- Comprehensive event and alarm logs stored locally
- Supports Modbus TCP, Modbus RTU and BACNet protocols for 3rd party integrations
- Optional ruggedized NEMA 4X Enclosure

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 thru holes on back of panel

environmental and performance

Operating temperature:	0°F to 122°F / (-18°C to 50°C)
Max Humidity:	95% RH at 122°F / (50°C)
Ingress Protection:	IP52 - standard Indoor only
NEMA Rating:	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 / 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
No. of Relays:	6 x built in relays / 60 x expandable relays

regulatory compliance



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