



TOWN & COUNTRY PLASTICS

Customized For Precision

LU-OW Controllers For Oil Water Separators



Part Number:

**LU1-OW
LU2-OW
LU2-OWIR
LU3-OWPR**

Description

OMNTEC's LU-OW controllers are designed to be used with oil/water separators. These audio-visual controllers monitor oil/water separators for the accumulation of oil to ensure that the oil level does not reach a dangerous volume and mix with the effluent water. The controllers are activated by float sensors, which are set by the user to match operational and site conditions. These controllers are easily tested and have an acknowledge switch on the control panel.

The LU-OW product line is designed to fit a variety of sensor combinations. LU-OW controllers are high-oil-level controllers. LU-OWP controllers are high-oil-level controllers with pump-out capability. LU-OWIR controllers are combination leak-sensing, high-oil-level controllers. The LU-OWPR is a combination leak-sensing, high-oil-level controller with pump-out capability. The NEMA 4X rating of the LU-OW controllers indicates a weatherproof, corrosion-resistant product.

The LU-OW controllers are ruggedly constructed to provide reliable and cost-effective performance.

Features

- NEMA 4X weatherproof, corrosion-resistant
- Easily installed
- Low-voltage remote annunciator outputs
- Relay outputs
- LED indicators rated MTBF 11 years
- Specific sensor display
- Removable sensor input connectors
- Automatic pump-out (LU-OWP and LU-OWPR)
- U.L. listed
- Cost-effective
- Modified controllers for special applications

Specifications

Enclosure	NEMA 4X
Power Input	85-125 VAC, 47-440 Hz 16 watts maximum
Power to Sensor	Intrinsically safe for Class I, Group D hazardous locations
Sensor Cable	Shielded 22 AWG with drain wire Maximum length 2,000 feet
Audio-Visual Controls	
Audible Alarm	95 dB pulsing horn
Red Lights	High-oil-level, High-reservoir-level, and Hydrocarbon-leak
Amber Lights	Low-liquid-level, Low-reservoir-level, Water-leak and Caution-oil-level
Green Light	Power is on (system detecting)
Horn-Off Button	Silences horn
Response Time	Immediate
Relay Outputs	SPST normally open dry contact 0.5 amp, 120 VAC Switches when an alarm condition occurs
Low-voltage Outputs	12 VDC
Operating Temperature	0 to 140° F
Compatible Sensors	OWI-1 Single-point oil/water interface sensor (LU1-OW, LU2-OW, LU2-OWIR) OWI-2 Dual-point oil/water interface sensor (LU2-OW, LU3-OWIR) OWP-2 Dual-point pump-out sensor (LU2-OWP, LU3-OWPR) L-R-1 Reservoir sensor for double-wall fiberglass tanks (LU2-OWIR, LU3-OWIR, LU3-OWPR) PDWF Leak sensor for double-wall tanks (LU2-OWIR, LU3-OWIR) PDWS Leak sensor for double-wall tanks (LU2-OWIR, LU3-OWIR) PDS Leak sensor for double-wall tanks (LU2-OWIR, LU3-OWIR)
Accessories	RA-1*, RA-2*, RA-3*, RA-4*, RA-NYS *denotes number of tanks
Weight	LU1-OW—5 lb. LU2-OW—6 lb. LU2-OWP—6 lb. LU2-OWIR—6 lb. LU3-OWIR—6 lb. LU3-OWPR—6 lb.
Approvals	U.L. listed 5LO4

Specifications subject to change without notice, verify with manufacturer

