

LVE 951/952 & 951-B **Electro-Optic Level Switch**



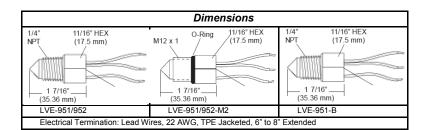
M-5173/1112

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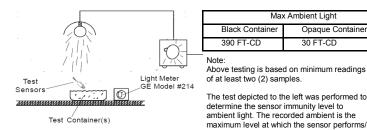
Installation:

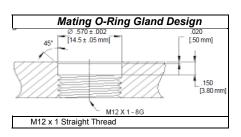
- 1. For NPT threaded units:
- a. Use Teflon (TFE) thread tape or Permatex #80725 plastic pipe sealant to seal thread. Caution: Pipe sealant must not come in contact with prism surface.
- b. Thread sensor into tank wall and tighten by hand. Further tighten an additional one to two threads past hand-tightness. (Avoid overtightening, as this may damage threads.)
- 2. For M12 straight threaded units:
- a. Thread sensor into tank wall by hand until sensor housing contacts tank wall surface. (See below for mating o-ring gland design information.)
- b. The sensor shall be torque tightened to 12 to 24 in-lb (1.4 to 2.7 N-m). This range is slightly more than "hand-tight" to insure sealing, and less than that which would cause housing or thread damage.
- c. CAUTION: Under no circumstances shall the sensor be tightened more than 1/6 turn beyond that required to seat the bottom of the sensor housing with the outside wall of the tank.
- 3. Sensor may be installed in horizontal or up to 45° from horizontal Note: Not for use in freezing liquids. plane for best operation. Vertical mounting is possible, may be droplet sensitive, depending on viscosity of media.
- 4. Caution: Do not install sensor close to infrared sources or incandescent light. Reflective surfaces may interfere with proper operation of the optical sensor. (Consult Omega if prism is to be mounted less than 2" from any reflective surface.)
- Surface., 5. Connect voltage supply (Vdc + 10%) Between red (+) and black (-) of unit. Caution: Do not connect output (blue wire) to Vdc power without a load. See wiring diagrams for output configuration.



Opaque Containe

30 FT-CD

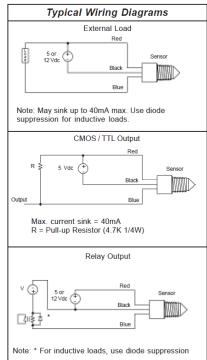




Specifications

	LVE-951/952	LVE-951B	
Materials: Housing and Prism		Nickel plated brass body with glass prism	
Operating Pressure	0 to 250 psig, (0 to 17 bar) Max		
Operating Temperature	-40°F to 230°F (-40°C to 110°C)		
Input Voltage	12 VDC ±10%		
Current Consumption	12V ~10mA No Load		
Output Configuration	Open drain may sink 40 mA max.		
Repeatability	±1 mm		
Ambient Light Immunity	See Ambient Light Test		

Actuation Condition	1/4" NPT	M12x1-8
Wet	LVE-951	LVE-951-M12
Dry	LVE-952	LVE-952-M12
Wet	LVE-951-B	N/A





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- 1. Purchase Order number under which the product was PURCHASED.
- 2. Model and serial number of the product under warranty, and
- Repair instructions and/or specific problems relative to the
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- 2. Model and serial number of the product, and
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