

The leak detector unit consist of a proximity sensor, a welded 2 inch FPT connection, a 2 inch bung plug with a 3/4 inch strain relief, and an indicator box. The sensor is placed in the interstitial space between the primary and secondary tanks approximately 1 inch above the tank bottom. The indicator box is NEMA 4X rated and factory pre-wired for 110 VAC power. All connections are labeled to prevent errors in field installation. The indicator box will show a green light when power is on and the sensor is not detecting a liquid. The light is a push to test light allowing the operator to test for power outage or malfunction. If the green light goes out there are two possibilities. The green light does not come on when the button is pushed would indicate a lack of power to the unit or the light bulb is burned out. If the green light comes on when pushed, then a possible leak condition is indicated.



- **Rated operational voltage: 110 VAC only**
- **Adjustable sensing distance 2-16 mm**
- **Output: SCR**
- **Make and break switching function**
- **LED indication**
- **High noise immunity**

Specifications

Rated operating dist. (S_n) 3016:	2 to 16 mm factory set at 16 mm	Power ON delay	≤ 100 ms
Sensitivity	Adj. multiturn pot.meter	Frequency of operating cycles (f)	10 Hz
Effective operating dist. (S_e)	0.9 x S _n ≤ S _r ≤ 1.1 x S	Indication for output ON	LED, yellow
Usable operating dist. (S_u)	0.8 x S _r ≤ S _n < 1.2 x S _r	Environment	
Repeat accuracy (R)	≤ 5%	Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)
Hysteresis (H)	4 to 20% of sensing distance	Temperature	
Rated operational volt. (U_B)	20 to 250 VAC (ripple included)	Operating temperature	-25° to +80°C (-13° to +176°F)
Ripple	≤ 10%	Storage temperature	-40° to +85°C (-40° to +185°F)
Rated operational current (I_e)		Housing material	
Continuous	≤ 500 mA	Body	Grey, thermoplastic polyester
Short-time	< 2.5 A (max. 20 ms)	Cable end	Polyester
Min. load current	≤ 10 mA	Nuts	Black reinforced nylon
OFF-state current (I_f)	< 2.5 mA (@ 240 VAC) 1.7 mA (@ 120 VAC)	Connection	
Voltage drop (U_d)	≤ 10 VAC (at loads ≥ 20 mA)	Cable	Grey, 2 m, 2 x 0.5 mm ²
Protection	Transients	Plug (-6)	Oil proof, PVC
		Cable for plug (-6)	M12 x 1 double keyed CON.-6A-series
		Weight (incl. nuts)	3016: 140 g
		Approvals	UL, CSA
		CE-marking	Yes