

THE ENGINEERED DIFFERENCE IN TANKS

SNYDER'S LEAK DETECTION SENSOR

The leak detector unit consists of a proximity sensor, a welded 2 in. female pipe thread connection, a 2 in. bung plug with a 3/4 in strain relief, and an indicator box. The sensor is placed in the interstitial space between the primary and secondary tanks approximately 1 in. above the tank bottom. The indicator box is Nema 4 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. This 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.



- Adjustable sensing distance 2-16 mm or 4-25 mm
- Rated operational voltage: 20-265 VAC
- Output: SCR
- Make and break switching function
- LED indication
- High noise immunity
- Both flush and non-flush types
- Plug and Cable versions available
- DC versions in the same housing

Specifications

Rated operational volt. (U_a)	20 to 265 VAC (ripple included)	EMC ratings	Acc. to EN 50 082-2
Ripple	≤ 10%	ENV 50 140 RF Electromagnetic field AM, 80-1000 MHz, Level 3	10 V/m
Rated operational current (I_a)		ENV 50 204 RF Electromagnetic field PM, 80-900 MHz, Level 3	10 V/m
Continuous	≤ 500 mA	EN 61000-4-2 ESD	
Short-time	< 2.5 A (max. 20 ms)	Contact discharge, Level 4	8 kV
Min. load current	≤ 10 mA	Air discharge, Level 4	17 kV
OFF-state current (I_o)	< 2.5 mA (@ 240 VAC) 1.7 mA (@ 120 VAC)	ENV 50 141 RF Common mode	
Voltage drop (U_d)	≤ 10 VAC (at loads ≥ 20 mA)	EN 61000-4-4 Fast transient	
Power ON delay	≤ 100 ms	Rep. freq. 5 kHz, Level 3	2 kV
Frequency of operating cycles (f)	25 Hz	IEC 60947-5-2 Surges common mode, Gen. Imp. 500E, Level 3	2.5 kV
Indication for output ON	LED, yellow	Environment	
Rated operating dist. (S_n) (adjustable)	3016: 2 to 16 mm factory set at 16 mm 3025: 4 to 25 mm factory set at 25 mm	Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)
Effective operating dist. (S_e)	0.9 x S _n ≤ S _e ≤ 1.1 x S _n	Operating temperature	-25° to +80°C (-13° to +176°F)
Usable operating dist. (S_u)	0.8 x S _e ≤ S _u ≤ 1.2 x S _e	Storage temperature	-40° to +85°C (-40° to +185°F)
Repeat accuracy (R)	≤ 5%	Housing material	Grey thermoplastic polyester
Hysteresis (H)	4 to 20% of sensing distance	Cable	2 m, 2 x 0.5 mm ² grey PUR, oil proof
		Plug (-6)	M12 x 1 double keyed CONH-1A-series
		Weight (incl. nuts)	3016: 140 g 3025: 150 g