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Optical Switches - Harsh Environments

Madison Company offers an extensive line of standard optical point level detection switches for use in non-coating liquids.

These compact optical switches incorporate a phototransistor that provides a digital output indicating the presence or absence of liquid. The sensor tip houses the phototransistor. The refractive index is changed when covered by liquid, thus indicating the level.

There are several wetted materials and operating ranges to choose from within Madison's optical switch series, including high-temperature performance options.

As with all Madison products, engineered configurations for your unique requirements can be quoted.



Features

- Compact size
- Solid-state technology with digital output
- Robust design
- Wire and supply current options available
- Digital (TTL output)
- Various voltage outputs available
- 4-wire option offers sensitivity adjustment
- Designed for harsh environments with extremes in temperature, pressure, vibration and shock. Sealed to meet IP67 in a stainless steel housing :
- Phototransistor trigger
- Digital output, solid-state technology
- Output : TTL 200 mA, sinking
- Fast response

Results 1 - 2 of 2

Item #	Operation Mode	Mounting	Housing Material	Operating Temperature	Supply Voltage (DC)	Termination Type
OPT4301-1	NPN N.O.; High in Air	From Outside	Stainless Steel	-40 to 125 °C	10 to 40 V	M12 Connector, 3-pin
OPT4301-2	NPN N.C.; Low in Air	From Outside	Stainless Steel	-40 to 125 °C	10 to 40 V	M12 Connector, 3-pin

Results 1 - 2 of 2