

Optical Liquid Level Sensors D200D Series



- Features:
- * M12 Threaded Body
 - * Low cost
 - * Compact size
 - * High reliability
 - * Wide range of commercial and industrial applications.



Housing Style	D200 M12 Thread ⁽¹⁾
Output Function	Digital (High or Low in Air) outputs
Repeatability	± 1mm
Hysteresis	1mm depending on liquid
Response time rising liquid	50µS
Response time falling liquid (ethanol)	< 1 second
Supply Voltage (V_s)	5 to 12Vdc
Supply Current	15mA nominal
Sink / Source Current	10mA max
Temperature range: operating / (storage)	-25°C to +80°C (-30°C to +85°C)
Housing Material	Polysulphone UDEL 1700
Cable Length	200mm PTFE wires
Environmental	IP67 Rated
Thermal Testing	As per BS EN60068-2-33
Humidity	As per BS EN60068-2-30
Vibration	As per BS EN60068 Part S3: 1996
Mechanical Shock	As per BS EN60068-2-27 Part 2 Ea: 1987
Max. Pressure	7 bar

Order Codes:

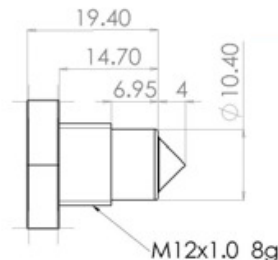
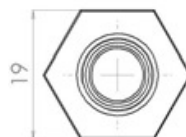
High in Air Sensors: Output Voltage in Liquid < 1Vdc; Output Voltage in Air is within V_s - 0.5Vdc

- 3 Wire D200D3SH
- 4 Wire ⁽²⁾ D200D4SH

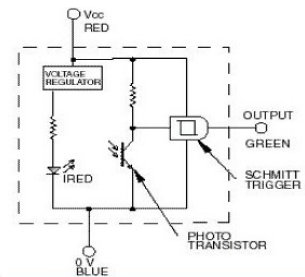
Low in Air Sensors: Output Voltage in Liquid is within V_s - 0.5VDC; Output Voltage in Air < 1Vdc

- 3 Wire D200D3LSH
- 4 Wire ⁽²⁾ D200D4LSH

- (1) Stainless Steel nut and Nitrile washer LLPK1 must be ordered separately.
- (2) In certain applications (when used in certain liquids or emulsions and in heavily condensing applications), it may be necessary to "tune" the sensor's operation using a 4th wire connected directly to the LED. This requires the installer to select a suitable current limiting resistor—contact factory for details.



Drawing dimensions in millimetres



© American Electronic Components Inc 2008

American Electronic Components Inc.,
 1101 Lafayette Street, Elkhart, Indiana, USA
 Tel: +1-574-295-6330 Fax: +1-574-293-8013
 Email: sales@aecensors.com
<http://www.aecensors.com>