Optical Liquid Level Sensors
D200D Series

DURAKOOL

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



CE RoHS Compliant

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

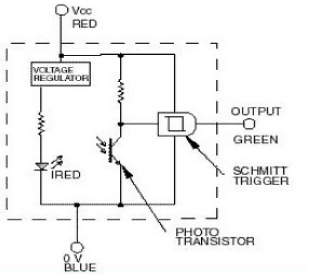
Order Codes:

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

3 Wire	D200D3SH
4 Wire (2)	D200D4SH

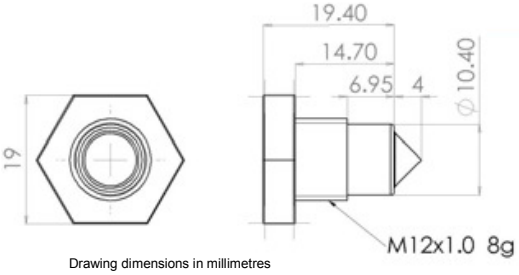
Low in Air Sensors: Output Voltage in Liquid is within Vs - 0.5VDC; Output Voltage in Air < 1Vdc

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.

© 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@aecsensors.com
http://www.aecsensors.com