

# Optical Liquid Level Sensors D200HD Series



- Features:**
- \* M12 Threaded Body
  - \* Heavy Duty Style
  - \* Wider range of options
  - \* Wide range of Commercial, Industrial & Automotive applications.



Housing Style	HD200 M12 Thread <sup>(1)</sup>
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 <sub>s</sub> )	5 to 12Vdc or 10 to 28Vdc (see below)
Supply Current	15mA nominal
Sink / Source Current	250mA or 500mA max (see below)
Temperature range: operating	-25°C to +80°C or -40° to +125°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:

1) Stainless steel nut & nitrile washer available separately (order LLPK1)

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### Temp Range

0: -25°C to +80°C  
1: -40°C to +125°C

### Supply Voltage

12: 5 to 16VDC  
24: 10 to 28VDC

### Sink / Source Current

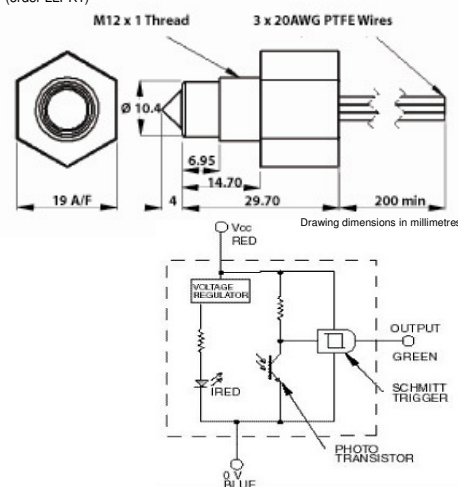
0: 250mA max  
5: 500mA max

### Output Circuit

1: N-Channel Open Drain with flyback diode\*  
2: Digital Output (Sink current only)  
3: N-Channel Open Drain  
4: P-Channel Open Drain  
5: N & P Channel Push-Pull Output  
\* For use with inductive loads

### Output Polarity

L: Output Low in Air  
H: Output High in Air



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