Bulletin No. 264129
Rev. B.

ULS-200 Series
Solid-State Point Level Sensor

Full Datasheet Here

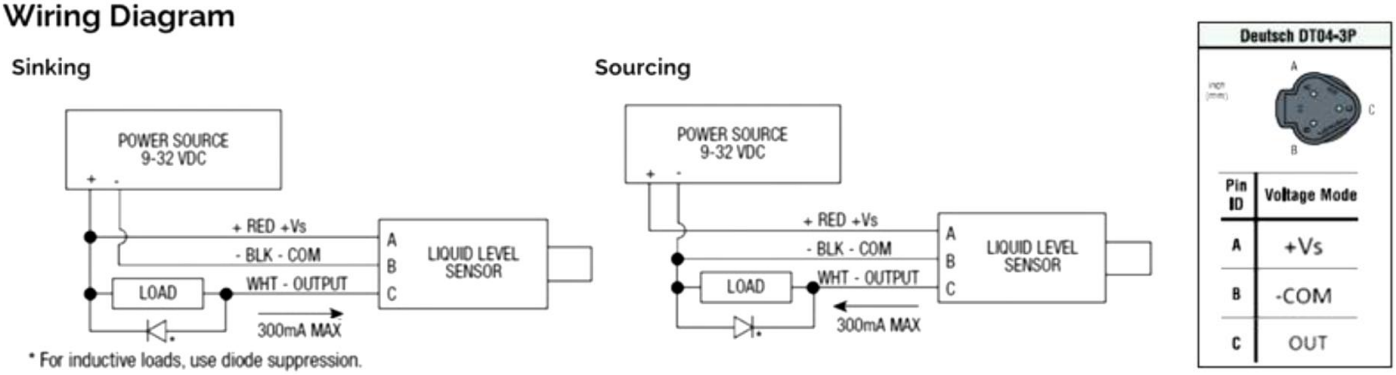
Product Description
The Gems' ULS-200 Solid-State Point-Level Sensor works with a wide variety of media. It eliminates failure caused by moving parts and works well in high-viscous, high-pressure, humid, and reflective applications. It does not rely on specific gravity or conductivity.

Personal Protective Equipment (PPE)
Personal protective equipment should always be worn when working with the sensor.

Incorrect Use
Incorrect or inappropriate use of this sensor can increase the likelihood of application hazards not limited to vessel overfill, damage to property, environmental contamination, and damage to the sensor itself.

WARNING: GEMS PRODUCTS MAY ONLY BE USED FOR THE APPLICATIONS DESCRIBED IN THIS DOCUMENT. IF PRODUCTS AND COMPONENTS FROM OTHER MANUFACTURERS ARE USED, THESE MUST BE RECOMMENDED OR APPROVED BY GEMS. PROPER TRANSPORT, STORAGE, INSTALLATION, ASSEMBLY, COMMISSIONING, OPERATION AND MAINTENANCE ARE REQUIRED TO ENSURE THAT THE PRODUCTS OPERATE SAFELY AND WITHOUT ANY PROBLEMS. THE PERMISSIBLE AMBIENT CONDITIONS MUST

Wiring Diagram



SUPPLY VOLTAGE	9-32 VDC
CURRENT CONSUMPTION	6mA Max. (No Load)
OUTPUT	Solid-State, Sinking or Sourcing Output, 9-32 VDC, 300mA Max.

All electrical connections should be carried out by qualified personnel.

WARNING: GEMS PRODUCTS MUST BE MAINTAINED AND INSTALLED IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND THE APPLICABLE GEMS PRODUCT DATASHEET THAT COVERS INSTALLATION, OPERATION, AND PROPER MAINTENANCE. FAILURE TO OBSERVE THIS INFORMATION MAY RESULT IN SERIOUS INJURY OR DAMAGES. ELECTRICAL CONNECTIONS SHOULD ONLY BE CARRIED OUT BY TRAINED, AUTHORIZED PERSONNEL. IF OVERVOLTAGE SURGES ARE POSSIBLE, PROPER SURGE PROTECTION SHOULD BE INSTALLED.

Torque Specifications

1/4" NPT	1 to 2 Turns Right Hand-Tight
1/2" NPT	1 to 2 Turns Right Hand-Tight
M12x1.5	14.5 - 16.5 ft/lb
G1/2-19	25 - 27.5 ft/lb

Orientation
Sensor may be mounted in any position. Optimal performance is with sensor in horizontal position. The sensing probe should be kept at least 0.50" (12.7 mm) away from any surface.

GEMS SENSORS & CONTROLS
1 Cowles Road, Plainville, CT 06062
Telephone: +1-860-747-3000

Email: info@gemssensors.com
www.gemssensors.com