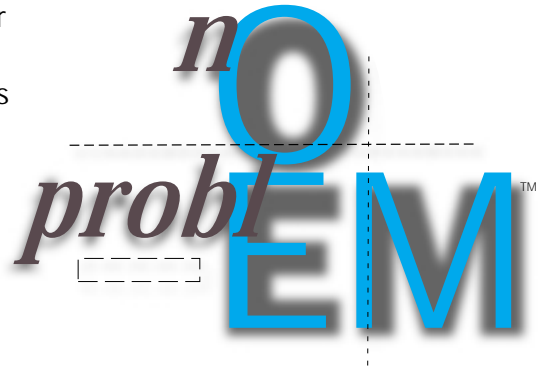


Designers... Welcome To Your Section!

As you make use of the following Designer's Section, you'll see we've gone to great lengths to provide you with the essential information required to make critical decisions. Of course, final product selection can be optimized through consultation with your local sales office or representative, or with our GEMS applications engineers.

Our product design staff is always interested in new applications for GEMS sensors, so remember, if you can't find a product that looks like a perfect fit, give us a call. Gems can develop prototypes designed specifically for your application.

Because we want you to succeed in your application of Gems sensor components, we encourage you to read the following reminders and keep them in mind as you review product selection.



Important Points To Remember:

- Gems products must be maintained and installed in strict accordance with the National Electrical Code and the applicable Gems Product Instruction Bulletin that covers installation, operation and proper maintenance. Failure to observe this information may result in serious injury or damages.
- For hazardous area applications involving such things as, but not limited to, ignitable mixtures, combustible dust and flammable materials, use an appropriate explosion-proof enclosure or intrinsically safe interface device.
- Please adhere to the pressure and temperature limitations shown throughout this catalog for our level and flow sensors. These limitations must not be exceeded. These pressures and temperatures take into consideration possible system surge pressures/temperatures and their frequencies.
- At Gems, prototypes are our speciality. We strongly recommend prototyping for any application where doubt exists concerning the product or equipment specification.
- Selection of materials for compatibility with the media is critical to the life and operation of Gems products. Take care in the proper selection of materials of construction, testing is required.
- Life expectancy of switch contacts varies with application. Contact Gems if life cycle testing is required.
- Ambient temperature changes do affect switch set points, since the gravity of a liquid can vary with temperature.
- Our sensors have been designed to resist shock and vibration. However, shock and vibration should be minimized.
- Filter liquid media containing particulate and/or debris to ensure the proper operation of our products.
- Electrical entries and mounting points in an enclosed tank may require liquid/vapor sealing.
- Our sensors must not be field-repaired.
- Physical damage sustained by product may render it unserviceable.

Common Icons In Designer's Section

- ✂ In-Stock Products
- 📏 Integrated Temperature Sensor Option Available
- 🔦 Explosion-Proof Junction Box Option Available
- 🛡 Lexan® Slosh Shield Option Available

GEMS Application Information: 800-321-6070

Gems Sales Offices and Representatives are listed on the final pages of this catalog.
