

Custom Length – 1 to 7 Levels

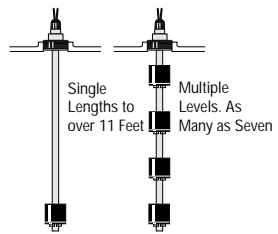
GEMS Custom Length level switches are extremely versatile. Within this section you'll find level switches that are configured to your custom specifications at the GEMS factory.

Single Actuation Levels

When one of our Standard Single Level switches doesn't extend to the length you need, no problem, order a Custom Length single level switch from this section. Specify lengths to over 11 feet. These units also offer you the flexibility of mounting a low, or intermediate level switch from the tank top rather than a bottom or side mounting.

2 to 7 Levels

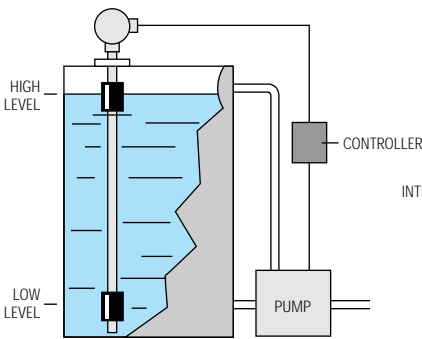
GEMS Custom Length models can be configured with "up to seven" independent switch actuation levels, depending on the series type. These "multi-station" units offer the most practical way to monitor multiple liquid level points within a single tank. Only a single entry point into the tank is required, and all electrical wiring emanates from a single source. In addition to tracking changing level points of a single liquid within a tank, "multi-station" level switches are ideal for monitoring liquid interfaces and emulsions in vessels simultaneously containing two or more liquids. Contact GEMS with your liquid specifications for further information on this type of application.



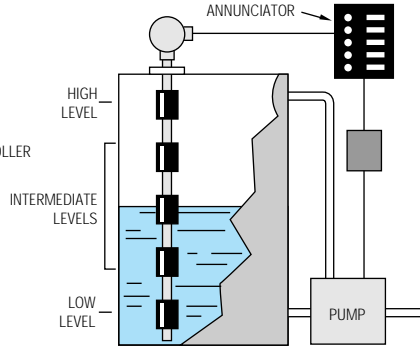
Typical Application

GEMS Custom Length Switches are used to monitor water, diesel or lube oils, chemicals and petrochemicals.

Pump-Up/Pump-Down Operations



Pump-Up/Pump-Down with Intermediate Level Indication



Using GEMS Custom Length level switches, junction boxes, solid-state relays and annunciators, complete liquid level control systems are easily configured.

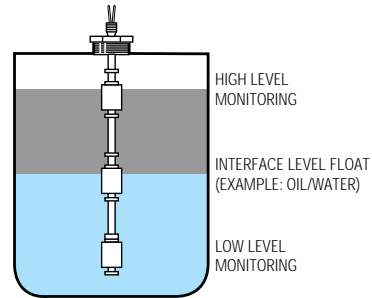
For Remote Alarms – See Page K-10

- Adjustable Volume
- Indoor Outdoor
- Solid-State



Liquid Interface Monitoring

In addition to monitoring the surface level of liquids, many GEMS Level Switches can be used to sense the interface point between dissimilar liquids sharing the same tank. Monitoring water condensation in fuel storage tanks, and separating chemical emulsions in process systems are two typical application examples. Multi-station level switches can be configured to monitor this interface point in addition to high and low liquid levels. Contact Gems Sensors Inc. with your specific application.



Specifying and Ordering GEMS Custom Length Float Type Level Switches

Our OrderIt! Forms make it quick and easy.

1. To specify this product, start by photocopying the appropriate OrderIt! PRODUCT CHECK LIST located at the back of this catalog.

- 700 Series and Derivatives: Page Z-6
- 800 Series and Derivatives: Page Z-8
- LS-300 Series: Page A-28
- FLS-300 FiberSite: Z-12

2. Next, using the product information supplied in this section, check off the boxes and fill in the blanks of the OrderIt! Check List to specify your desired product configuration. Accurate answers to each question will assure correct fit and function of your custom built product. Note: Use a separate Check List for each unique configuration.

3. To obtain a priced quotation, Fax your completed OrderIt! Check List to GEMS at 860-747-4244 or fax it to the Gems Sales Office or Representative nearest you. All of our offices, along with their fax numbers, are conveniently located at the end of this catalog. Or, if you choose, mail it to us...We'll do the rest!

4. To order your CUSTOM product, either place your order over the phone with one of our representatives, or use the FaxIt! method. Just photocopy the OrderIt! ORDER SHEET found at the back of this catalog. Accurately complete all of the purchasing information that we'll need to process your order and fax it along with your FaxIt! PRODUCT CHECK LISTS. When using the Fax or mail method, the ORDER SHEET must be accompanied by the PRODUCT CHECK LISTS to expedite your order. These forms will provide us with the shipping and billing information we need, along with any prices or delivery dates quoted.



Don't hesitate to call a GEMS representative with questions, or for any clarification.

1-800-321-6070

(Outside of Continental U.S., 860-747-3000)

OrderIt! Forms Missing?

If you no longer have an appropriate ORDER IT! form, determine the following preliminary information:

- The Level Switch Series Number of interest to you
- Overall Length (L_0) required
- Actuation level distances ($L_{1..7}$)
- Maximum operating temperature and pressure
- Liquid media
- Liquid specific gravity

Call your local GEMS sales office shown on the inside back cover of this catalog, or call the factory direct, and provide us with the above application information. We'll answer all of your questions and assist you in selecting a Custom Length Level Switch to meet your specific requirements.