

# Application Alley

**PARTNER | SOLVE | DELIVER**

## **Fluid Level Sensor for HVAC/ Plumbing Applications/ FSC5001U**

**Overflow Prevention, “Ringing the Diving Bell”**

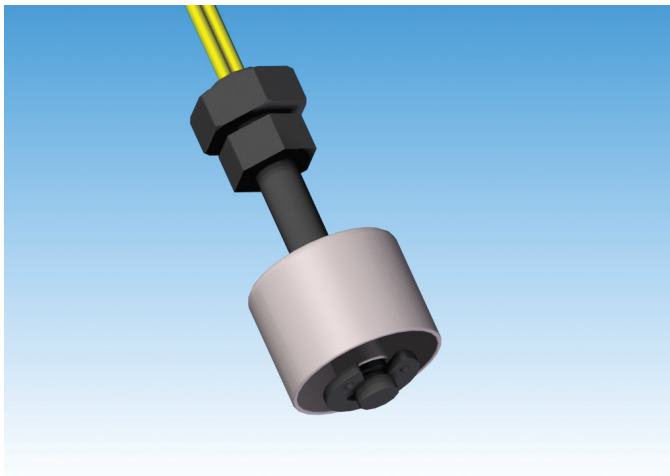


Custom  
Engineered  
Solutions for  
Tomorrow

A Standex-Meder customer had a challenge. They were spending much time, energy, and money on modifying a part they were purchasing. They sought a solution to alleviate all these symptoms in an inefficient design they purchased from a competitor.

Not only this, they also had a need for a lower activation height that could detect overflow faster. For something more adequate to their needs that solved all the problems, they turned to our team.

We custom engineered and designed a condensate overflow switch (FSC5001U) for them, which is a single position level sensor that detects overflow for just about any liquid. Detecting overflow at a pan height of ½” with our customized part gave the ability to sense flood conditions at 0.2” - giving them a safety factor of 2. This was allowed through our innovative “diving bell” technology.



Listening to their needs and strategically partnering to resolve their challenges that included dismissing unnecessary items (reduction of components like the bracket and foam for example), and fancy packaging – we delivered a solution that provided dynamic efficiency. Eliminating unneeded parts not only saved cost, but dismissed the need for extensive modifications upon installation.

The threaded FSC housing and the supplied jam nut allow for multiple installation options. For example, use of customer supplied mount, bracket, or bulk head makes this a versatile fluid level sensor.

#### Executive Standex-Meder Customer

“ Standex-Meder provided a high-quality fluid level sensor that allowed for the specifications we required, and also delivered improved performance. We felt like they truly partnered with us, cared for our challenges, and invested in giving us solutions that saved time, money, and a better product than what we had previously. ”

Applications for the FSC fluid level sensor include air conditioning/furnace (condensate build-up/overflow), various plumbing needs, light industrial, on an auxiliary tank, safety pan (prevent leaking), and many other drain/overflow sensing situations in relation to liquids.

#### Key Features:

- Simplified design for install, service, and adjustments
- Engineered for easy-to-use two wire installation
- High-performing and reliable overflow sensing
- Custom variations to suit needs and capabilities
- UL508 listed

Give Standex-Meder a [hello@standexmeder.com](mailto:hello@standexmeder.com) to discover how we can solve problems and deliver for you!

## About Standex-Meder Electronics

Standex-Meder Electronics is a worldwide market leader in the design, development and manufacture of standard and custom electro-magnetic components, including magnetics products and reed switch-based solutions.

Our magnetic offerings include planar, Rogowski, current, and low- and high-frequency transformers and inductors. Our reed switch-based solutions include Meder, Standex and OKI brand reed switches, as well as a complete portfolio of reed relays, and a comprehensive array of fluid level, proximity, motion, water flow, HVAC condensate, hydraulic pressure differential, capacitive, conductive and inductive sensors.

We offer engineered product solutions for a broad spectrum of product applications in the automotive, medical, test and measurement, military and aerospace, as well as appliance and general industrial markets.

Standex-Meder Electronics has a commitment to absolute customer satisfaction and customer-driven innovation, with a global organization that offers sales support, engineering capabilities, and technical resources worldwide.

Headquartered in Cincinnati, Ohio, USA, Standex-Meder Electronics has eight manufacturing facilities in six countries, located in the United States, Germany, China, Mexico, the United Kingdom, and Canada.

For more information on Standex-Meder Electronics, please visit us on the web at [www.standexmeder.com](http://www.standexmeder.com).

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