

A detailed illustration of an HVAC system. It features a complex network of silver-colored metal pipes with several 90-degree elbows. In the background, there are three large, white, rectangular HVAC units with vertical slats. In the foreground, there are three circular fans with white grilles and black frames, mounted on a light-colored surface. The scene is set against a bright blue sky with scattered white clouds. The text 'Application Alley' is overlaid in a large, white, sans-serif font across the middle of the image.

Application Alley

Fluid Level Sensor for HVAC/ Plumbing Applications/ FSC5001U

Overflow Prevention, "Ring the Diving Bell"

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 to discover how we can solve problems and deliver for you!

About Standex Electronics

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

Our magnetics offerings include planar, current sense, and conventional low- and high-frequency transformers and inductors. Reed switch-based solutions include Meder, Kent, and KOFU 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 range of product applications in the transportation, automotive, medical, test and measurement, military and aerospace, aviation, HVAC, appliance, security and safety, and general power and industrial markets.

Standex Electronics has a commitment to absolute customer satisfaction through a partner, solve, and deliver approach. With a global organization that offers sales support, engineering capabilities, and technical resources worldwide – we implement customer driven innovation that puts the customer first.

For more information on Standex Electronics, visit us on the web at standexelectronics.com.

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