

Application

- Containment sump liquid detection resulting in dispensing cutoff.

Advantages

- Automatically stops fuel from dispensing in the event of liquid detection.
- Easily installed in either turbine or dispenser sumps.
- Ideal for retrofit applications as system connects to existing turbine or dispenser wiring, eliminating the need to pull new wires or break concrete.

Installation

- Simply mount the 404-4 Controller inside any containment sump and connect it to the existing turbine or dispenser wiring. (Dispenser installations require an electrical junction box with an open conduit hub).
- Connect the liquid sensor using the supplied water tight splice kit. Suspend it so it is just touching the bottom of the containment sump.

DC400 Dispensing Cutoff System

The DC400 Dispensing Cutoff System is a stand-alone, solid state two-part system which includes a controller and sensor, designed to automatically shut down product flow if liquid is detected inside containment spaces. Ideal for retrofit applications, the DC400 allows for easy compliance with new and evolving regulations, without the added expenses of shutting down your site to break concrete for new conduit and wiring installation. The DC400 can be mounted inside any turbine sump to provide complete pump shut down or mounted directly into dispenser sumps, allowing only the effected dispenser to be shut down as liquid is detected.



DC400 Dispensing Cutoff System

Specifications

- 404-4 Controller is compatible with:
 - S404 Liquid Sensor

Note: Previous versions of the 404-4, S406, and S404 are not compatible. Both the controller and sensor must be replaced if either requires it. Core credit available for legacy items.

- Dimensions:
 - 404-4 Controller: 6.6" x 6.2" x 3.2"
 - S404 Liquid Sensor: 1 1/2" x 3 1/2", 25' cable length
- 404-4 Input power: 90-250 VAC, 50/60 Hz, 0.25 A
- 404-4 Relay contacts: 12A, 2 hp @ 250 VAC, 12A, 1.5 hp @ 120 VAC
- Operating temperature: -4 to 140 °F (-20 to +60 °C)
- Enclosures: All sensors intrinsically safe,

controller explosion proof

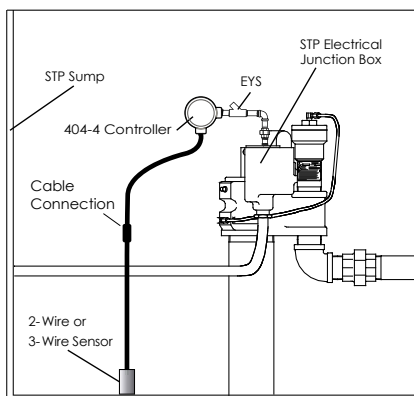
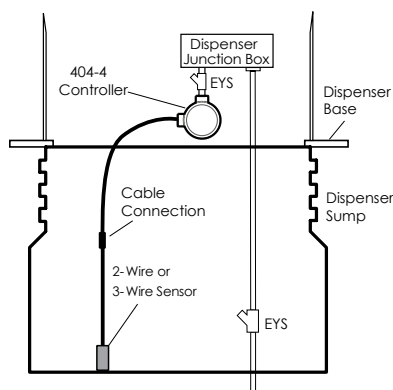
- Detection time: <1 second
- S404 sensor minimum detectable water limit: 0.98" (25 mm)

Capabilities

- Cutoff power to submersible pumps or dispensers when liquid is detected in containment sumps.
- Automatic reset on liquid removal.

Approvals

- UL - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, Division 1, Group D Hazardous Locations
- CUL - Pending



Model Ordering Information

Model	Description
DC404	S404 liquid sensor and controller
TS-FE	FE Petro STP electric junction box adapter
TS-RJ	Red Jacket STP electric junction box adapter
TS-RJQ	Red Jacket Quantum STP electric junction box adapter

Note: Electric junction box adapters for STP installations.



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