

For Ammonia (R-717) and Halocarbon Refrigerants

Features

- Design working pressure: 400 PSIG (28 bar)
- Operating temperature range:
-50°F to +150°F (-45°C to +65°C)
- Float chamber is zinc plated as standard
- Hermetically sealed 10-Amp single-pole,
double-throw switch, magnetically actuated
- Standard DIN connector with 15' cable
- Standard piping connections are dual
function 3/4" NPTF or 1" butt weld
- Factory set 2" differential
- Housing is completely interchangeable with
RS LL float switch
- Options
 - Switch housing heater
 - Phillips LEVEL EYE® with frost
shield (Model FSPLE)
 - Metal cover for switch housing



Design Function

The FSP is designed to provide electromechanical response to liquid refrigerant level changes. This mechanism can be applied to an operating temperature range of -50°F to +150°F (-45°C to +65°C).

Operation

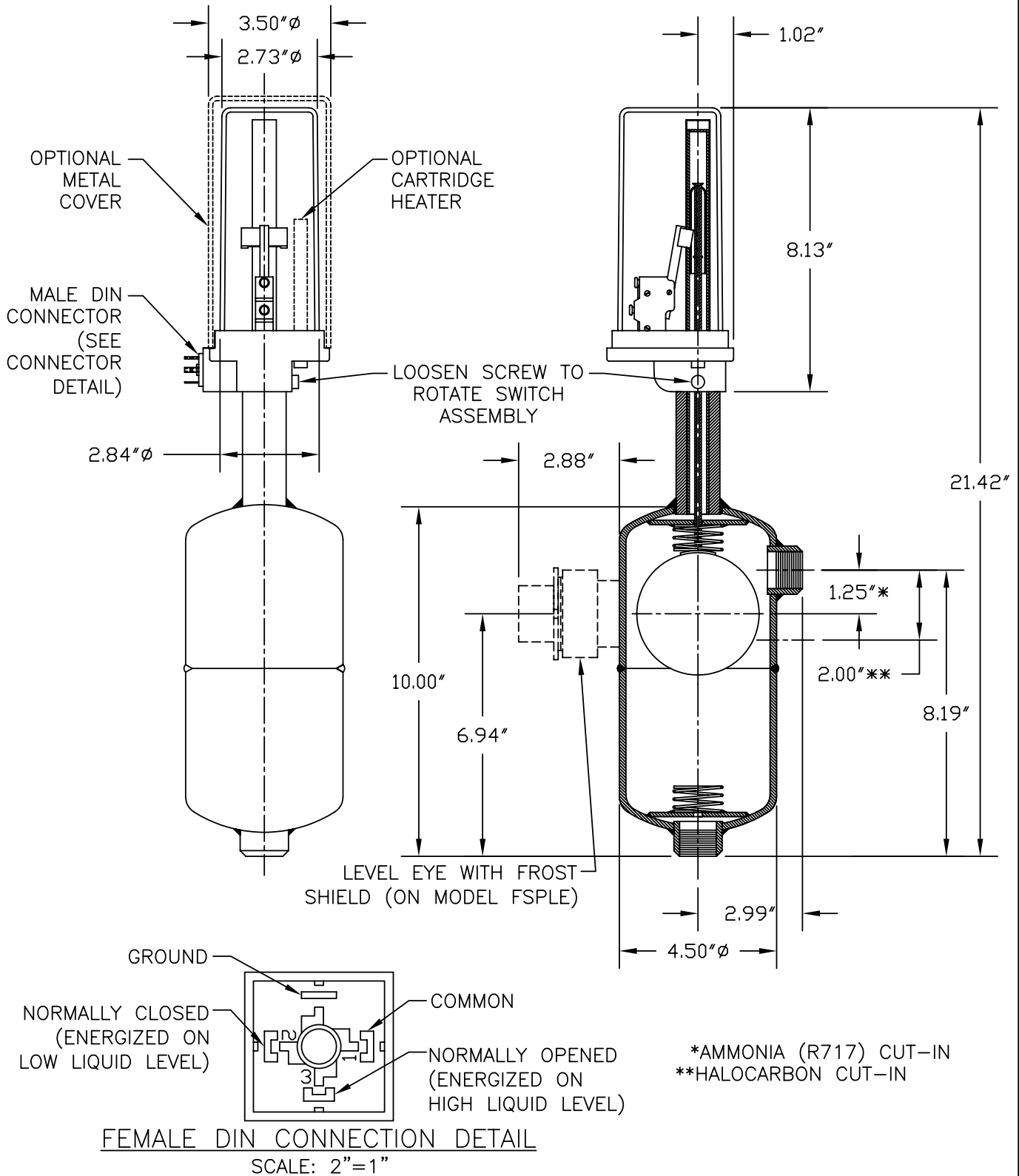
The float switch is applicable to control liquid refrigerant levels in flooded evaporators, liquid refrigerant level control with transfer vessels, high pressure receivers, controlled pressure receivers, intercoolers, suction accumulators, thermosyphon receivers and liquid refrigerant recirculating accumulators, and other applications where level control is required.

The purpose of these float switches is to interact to energize or de-energize solenoid valves, magnetic starters, operating liquid refrigerant pumps and plant safety shutdown of compressors. They can also activate safety alarms or lights for precursory and conclusive high or low liquid levels.

Installation

The float switch should be mounted in a vertical position. Do not trap the lower balance line on ammonia applications. Service valves should always be utilized, with stems in the horizontal position. When multiple float switches are used on a control column, only top and bottom balance line hand valves should be utilized.

FSP Float Switch



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