



Service Information

File In/With: YCAS, YCIV, YVAA

SI0290

New 916

Equipment Affected: Screw Chillers

115VAC ELECTRONIC FLOW SWITCH

GENERAL

THE NEW ELECTRONIC 115VAC FLOW SWITCH IS USED IN THE SCREW CHILLERS. This new electronic flow switch is powered via 125VAC. (Unlike the scroll chiller flow switch which is 24VDC).

There are **NO** adjustments or calibration needed when installing or after the installation of the new electronic flow switch.

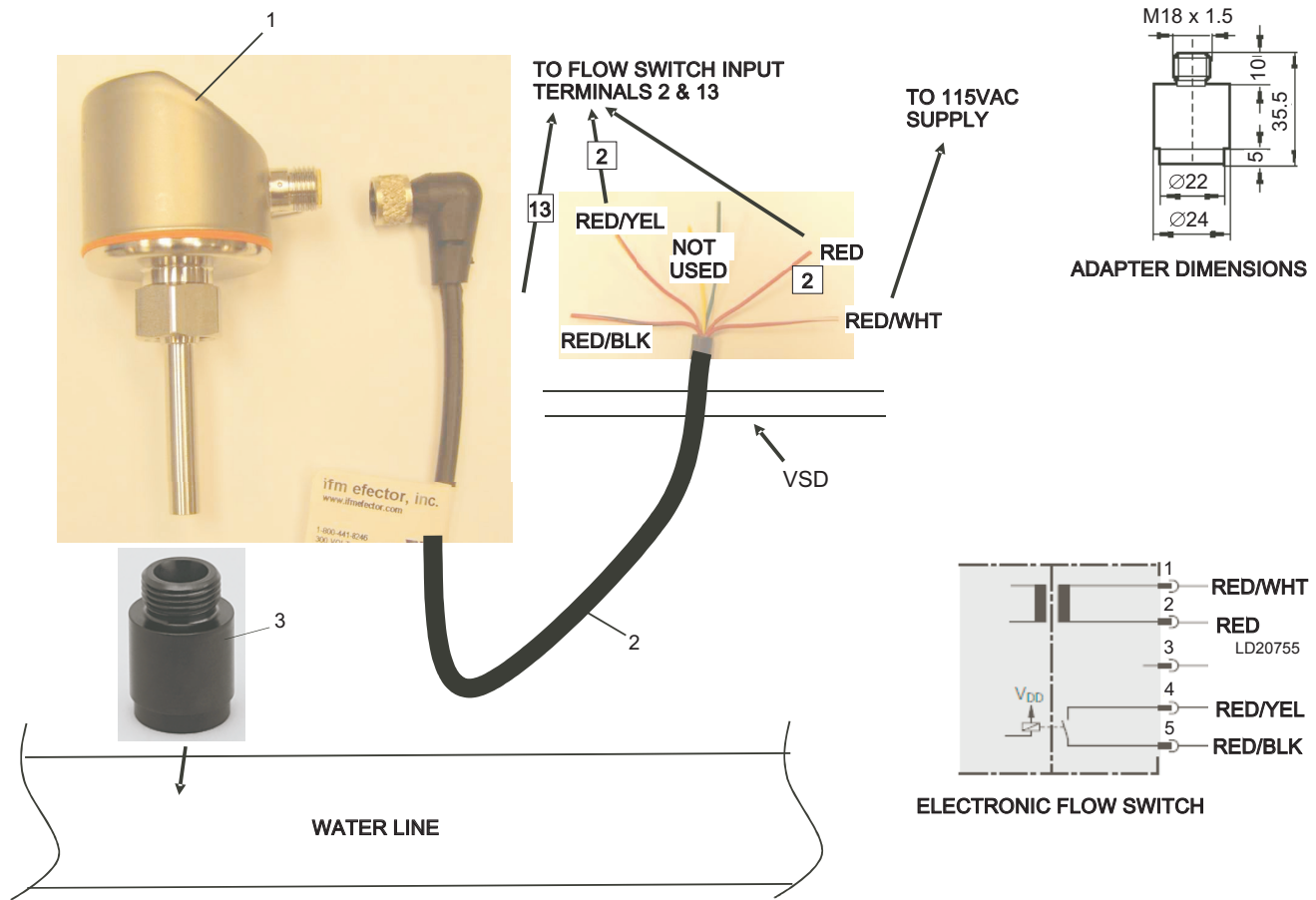
You will find below the **WIRING, PARTS LIST, and MOUNTING INSTRUCTIONS** on the new electronic flash tank level sensor.

FIGURE NUMBER	DESCRIPTION
1	Electronic flow switch wiring and parts
2	Electronic flow switch mounting in the water line
3	Electronic flow switch location
4	Electronic flow switch schematic (115VAC)

Work on this equipment should only be done by properly trained personnel who are qualified to work on this type of equipment. Failure to comply with this requirement could expose the worker, the equipment and the building and its inhabitants to the risk of injury or property damage.

The instructions on this service bulletin are written assuming the individual who will perform this work is a fully trained HVAC & R journeyman or equivalent, certified in refrigerant handling and recovery techniques, and knowledgeable with regard to electrical lock out/tag out procedures. The individual performing this work should be aware of and comply with all Johnson Controls, national, state and local safety and environmental regulations while carrying out this work. Before attempting to work on any equipment, the individual should be thoroughly familiar with the equipment by reading and understanding the associated service literature applicable to the equipment. If you do not have this literature, you may obtain it by contacting a Johnson Controls Service Office.

Should there be any question concerning any aspect of the tasks outlined in this bulletin, please consult a Johnson Controls Service Office prior to attempting the work. Please be aware that this information may be time sensitive and that Johnson Controls reserves the right to revise this information at any time. Be certain you are working with the latest information.

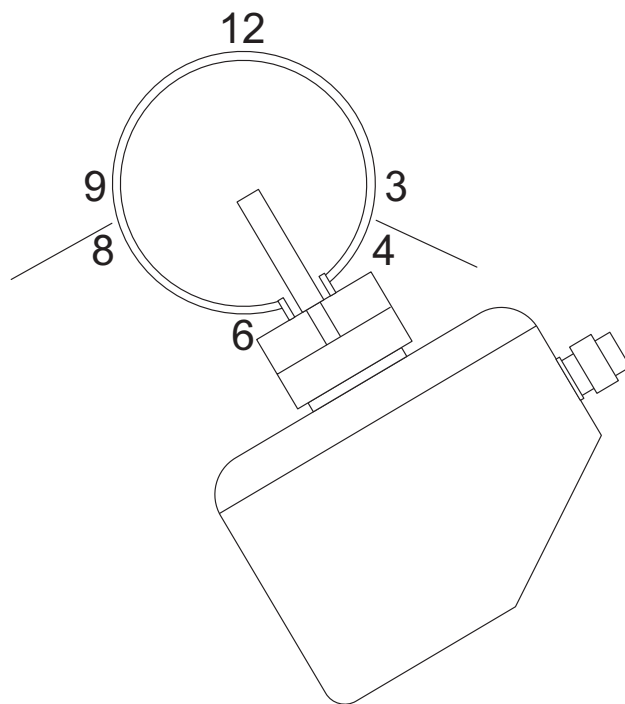


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TABLE 1 - PART NUMBER

ITEM	PART	PART NUMBER
1	Flow Switch	025-44383-001
2	Cable	025-44383-002
3	Adapter	025-44383-003

FIGURE 1 - ELECTRONIC FLOW SWITCH COMPONENTS



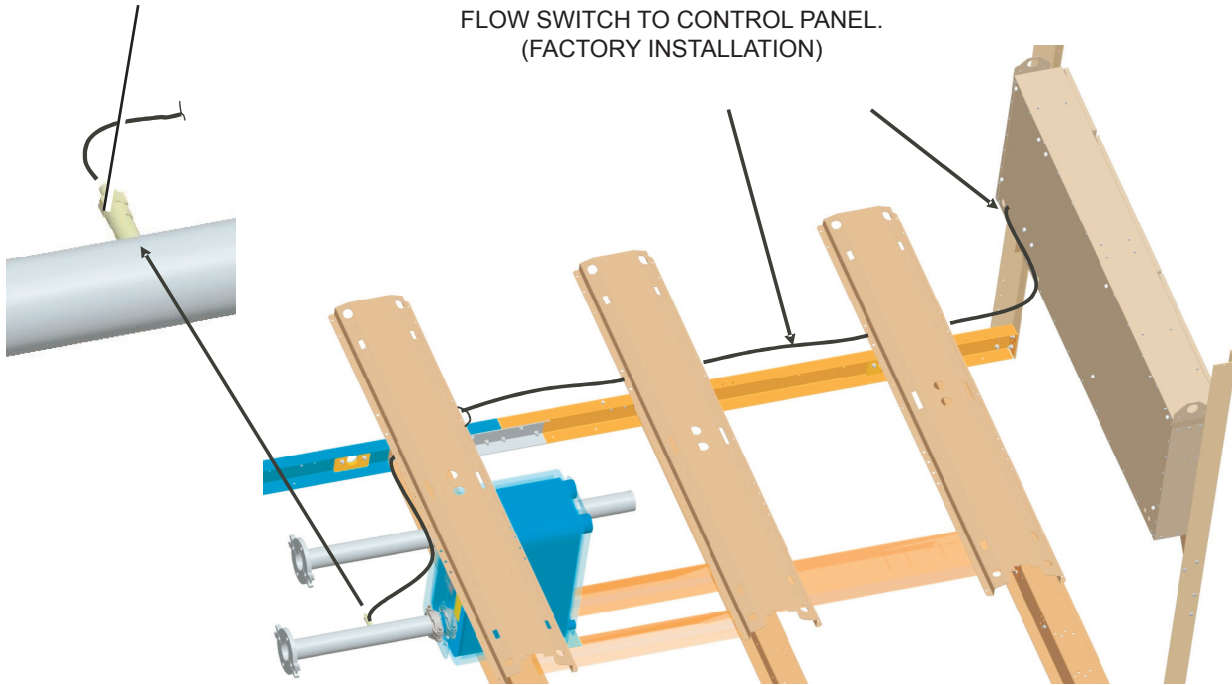
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- Should be 12mm (1/2") into the water flow stream.
- Electronic flow switch is mounted in the "out" of the heat exchanger between the 4 and 8 o' clock position.

FIGURE 2 - MONITORING LOCATION AND SENSOR DEPTH OF PROBE

FLOW SWITCH SHIPS WITH
UNIT AND IS TO BE INSTALLED
AT THE JOB SITE. SEE FIG. 2

CABLE RUNS FROM ELECTRONIC
FLOW SWITCH TO CONTROL PANEL.
(FACTORY INSTALLATION)



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FIGURE 3 - ELECTRONIC FLOW SWITCH SCREW CHILLER INSTALLATION (EXAMPLE ONLY)

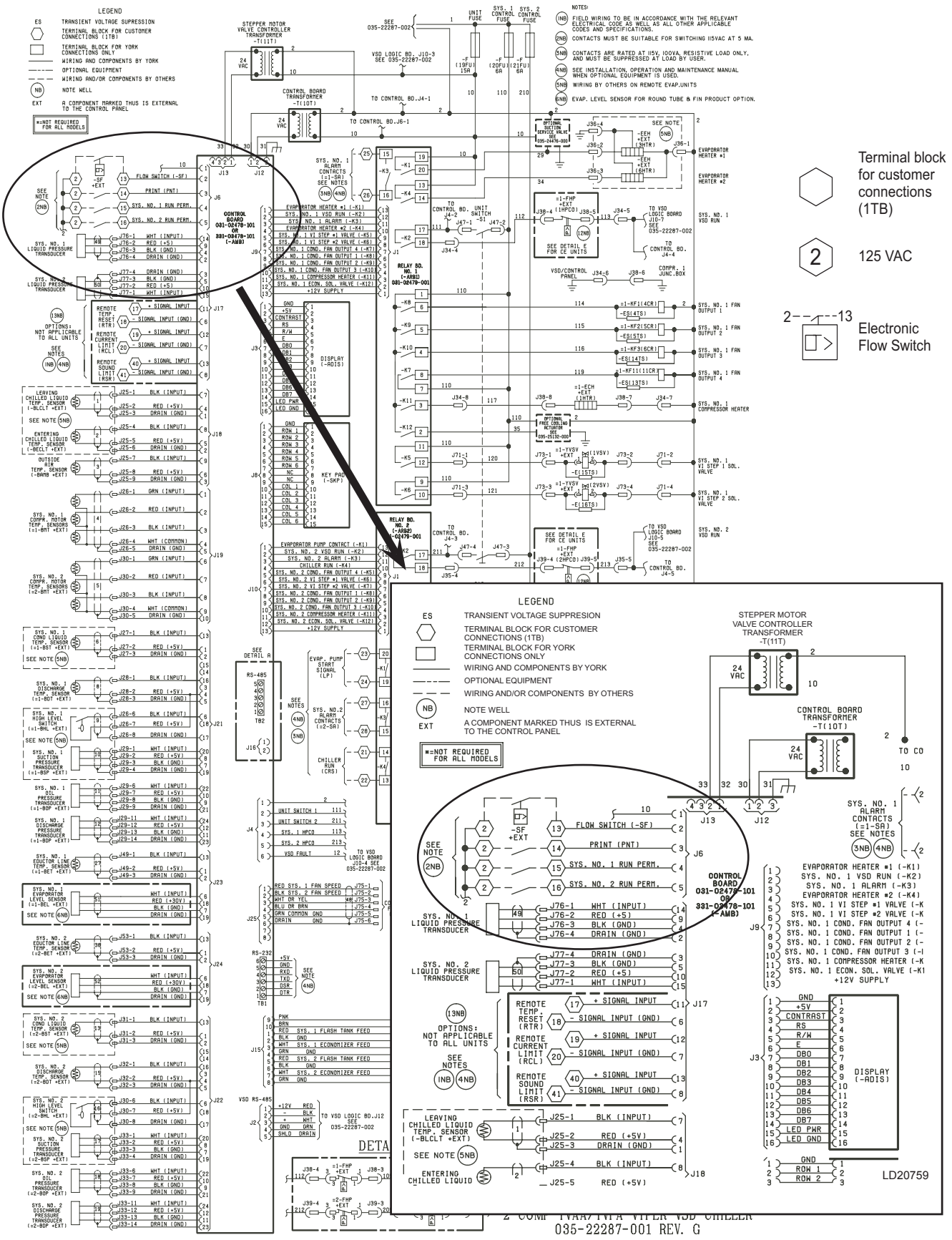


FIGURE 4 - WIRING SCHEMATIC

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