



BY JOHNSON CONTROLS

Service Information

File In/With: XXXX

SI0260

New

312

Equipment Affected: YIA, Mod D Absorption Units

Software Update for YIA Mod D OptiView™

GENERAL

Beginning February 1, 2012 the new production YIA Mod D Absorption Units are supplied with the latest version of software: C.OPT.15.02.200 and checksum 6BFA on program card 031-02876-001. The new software is compatible with all previous units equipped with microboard 031-02430-005.

REMOTE STOP

When the remote control source is either “Digital”, “Analog” or “ISN” a local stop signal will be recognized by the software but a local start signal will not. A local start signal will only function when the control source is in Local mode.

CONDENSER LIQUID FLOW SWITCH OPEN

The previous operation stated that an open condenser liquid flow switch (indicating no flow) during unit operation initiated a safety shutdown after a 30 second delay followed by a limited dilution cycle.

The new operation has been changed to state the following:

- If the tower water (condenser) liquid flow switch opens (indicating no flow) after a 30 second delay the unit will go into a Cycling Shutdown – Autostart Status
- System Details will display orange “Condenser Liquid Flow Switch Open”
- A 30 minute dilution cycle will be performed following the short dilution cycle format and keeps SOL 2 closed the entire duration of the dilution cycle. A countdown timer will show the time remaining for the dilution cycle
- If at any time during the 30 minute dilution cycle the condenser liquid flow switch closes following a 30 second delay a unit Autostart will initiate. If not, when the 30 second delay passes the unit will initiate a safety shutdown and a manual reset procedure is required to restart the unit.

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.

LIMITED DILUTION CYCLE

The limited dilution cycle will not operate unless the unit is connected to a stand-by generator. The stand-by generator is detected at terminals TB4-95 on the I/O board. The stand-by generator will only operate the solution pump or generator pump and control center for four hours.

TIMER DISPLAYS

A countdown timer for soft shutdown, pull down, dilution cycle (short and normal) and limited dilution cycle is displayed in System Status Message.

PT1/RT9 CONFLICT

A PT1/RT9 conflict initiates a 30 minute delay at unit start up. There is no delay when the 30 minute initial start up has expired. This conflict appears when the generator temperature as sensed at PT1 is $< RT9 \text{ temp} + RT9 \text{ offset value} - 3.0^{\circ}\text{F}$.

OPERATOR ACCESS

An additional soft key was added in the Operator Access Level under the Purge Pump Screen. The operator now has access to change the Purge Pump Service Interval. The operator can also change the “system date” and “time” under Operator Access Level. This information is completed in the Sales Order/Configure Screens.