



BY JOHNSON CONTROLS

SB0113 Supersedes SB0113 (911)

1112

File In: N/A

### SERVICE BULLETIN

Affected Equipment: YPAL Mod A, B, & C and Millenium Units with OptiLogic Controls

**Subject: OptiLogic Control Board Lock Ups**

Issue Date: 12/15/2009

Withdrawal Date: 12/31/13

Data Control Level: x

Materials Needed: Noted below

Tools Required: Standard Hand Tools

Est. Time Required: 4 hours labor (plus 2 hours travel).

Warranty: YPAL - NO

MILLENIUM - YES

### GENERAL

There is a problem with older OptiLogic control boards resulting in the control locking up during the boot up sequence. Turning the power OFF and ON does not reset it and it always comes up and stops at this screen shown below.

Version A06  
Address 32  
Status No Comm  
Startup Ok Ok Ok

If this occurs the only solution is to replace the main control board with an updated replacement.

### SOLUTION

A component on the board has been revised to prevent this fault from occurring. The chart below will help you select and order the correct replacement control board.

PART NUMBER	DESCRIPTION
025-36103-010	BACnet IP communication with no heat, staged gas, electric or hydronic heat (fill out form).
025-36103-011	BACnet MS/TP communication with no heat, staged gas, electric or hydronic heat (fill out form).
025-36103-012	LON or no communication with no heat, staged gas, electric or hydronic heat.
025-36103-020	BACnet IP communication with modulating gas heat (fill out form).
025-36103-021	BACnet MS/TP communication with modulating gas heat (fill out form).
025-36103-022	LON or no communication with modulating gas heat

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.



**York DCU / YPAL Communications Information Form**  
**FAX completed form to (800) 932-1702**  
**or email to Tracy.LebBrun@jci.com**

Contract/Sales Order # \_\_\_\_\_ District Office \_\_\_\_\_

Job Name \_\_\_\_\_ Location \_\_\_\_\_

Name \_\_\_\_\_ Phone \_\_\_\_\_

FAX \_\_\_\_\_ JCI PO # \_\_\_\_\_

Unit Model # \_\_\_\_\_ Unit Serial \_\_\_\_\_

Ethernet MAC Address (from label of original board): 000 . 016 . 141 . \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_

System used to monitor/control YPAL board: \_\_\_\_\_  
(i.e., Johnson Controls MS-NAE5510, Honeywell XL500, Siemens APOGEE, Trane Tracer Summit)

➔ Please select 1 of the 4 desired communications options below.

➔ Please enter Custom Values, or select Default Values.

**IP** **Part Number 025-36103-010**

**IP Mod Gas** **Part Number 025-36103-020**

	<u>Custom Value</u>	<u>Default Value</u>
IP Address	<input type="checkbox"/> _____ . _____ . _____ . _____	<input type="checkbox"/> 172.16.last 6 digits of Ethernet MAC
IP Mask	<input type="checkbox"/> _____ . _____ . _____ . _____	<input type="checkbox"/> 255.255.000.000
IP Router Address	<input type="checkbox"/> _____ . _____ . _____ . _____	<input type="checkbox"/> 172.016.128.000
Network Address	<input type="checkbox"/> _____	<input type="checkbox"/> 1001 (Maximum is 65535)
Object Identifier (or Instance Number)	<input type="checkbox"/> _____	<input type="checkbox"/> 1000000+last 6 digits of Ethernet MAC
Object Name	<input type="checkbox"/> _____	<input type="checkbox"/> ydcu_last 9 digits of Ethernet MAC

**MSTP** **Part Number 025-36103-011**

**MSTP Mod Gas** **Part Number 025-36103-021**

	<u>Custom Value</u>	<u>Default Value</u>
MSTP Device Address (or MSTP MAC Address)	<input type="checkbox"/> _____	<input type="checkbox"/> 1 (Auto assigned with MSTP switches)
MSTP Network Address	<input type="checkbox"/> _____	<input type="checkbox"/> 2000 (Maximum is 65535)
MSTP Baud Rate	<input type="checkbox"/> _____	<input type="checkbox"/> 38400 (or select 9600, 19200, 76800)
Object Identifier (or Instance Number)	<input type="checkbox"/> _____	<input type="checkbox"/> 1000000+last 6 digits of Ethernet MAC
Object Name	<input type="checkbox"/> _____	<input type="checkbox"/> ydcu_last 9 digits of Ethernet MAC

