



## QUOTED SERVICE REPORT



\*Scan the QR Code to see new offerings

**Service Request Number:** 1-48811045116

**Status:** Scheduled

**Requestor:** Raul Cozza

JOHNSON CONTROLS SALISBURY WILMINGTON CB - 0N28

812 First State Blvd

Wilmington, DE 19804-3573

(866) 589-9275

**Service Site:**

DUPONT EXPERIMENTAL STATION

DUPONT EXPERIMENTAL

Rt 141 Lancaster Pike

Wilmington, DE 19880-0000

**Bill To:**

E I DUPONT DENEMOURS CO

1325779

Attn Accounts Payable Department

Po Box 80040

Wilmington, DE 19880-0040

**Purchase Order:** 6501731064

**Blanket Purchase Order:**

**Customer Authorization:**

**Customer Work Order:**

**Quoted Amount:** \$2,438.01

**Service Requested:**

6501731064

ABSORBER #1 HIGH PRESSURE SAFETY CUTOUT SWITCH

During the Seasonal Shutdown, when Absorber #1 was Pressurized with Nitrogen, it was discovered that the High Pressure Cutout Switch was not Opening. Upon further investigation the switch was found to be Defective.

SCOPE:

FURNISH Qty-1 YORK Approved First Stage Generator High Pressure Cutout

LOCK-OUT ABSORBER #1 as needed

INSTALL New Switch

ADJUST & VERFIY Cutout Setting

VERIFY Installation is LEAK-FREE

\*\*\*This work will need to be performed prior to Seasonal Purge and Start-Up work, due to Safety Switch being Non-Isolatable\*\*\*

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Version: Release # PHL 3

Lynn Dolphin

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Service Provided:				
Date	Activity Number	Activity Status	Work Performed	By
04/26/2017	1-MHUL8TN	Completed	<ul style="list-style-type: none"> <li>• LOCKED &amp; TAGGED Out ABSORBER #1. (All Power Sources)</li> <li>• ENSURED all Nitrogen Pressure was Relieved from the Absorber Vessel</li> <li>• VERIFIED Proper Operation of the NEW High Pressure Cutout Switch (HP1) on a Test Bench, Prior to Install</li> <li>• CALIBRATED Trip Point to Shutdown on a rise to 710mm HgA (FACTORY SPEC)</li> <li>• REMOVED Original Switch, CLEANED Pipe Threads, INSTALLED New Switch w/Appropriate Thread Sealant, &amp; REWIRED</li> <li>• ADDED a TRACE of R-134A to Absorber Vessel, then Increased Pressure to 5 PSIG with site NITROGEN for Leak Testing</li> </ul>	Kevin Frazee
04/28/2017	1-MNEUDWD	Completed	<ul style="list-style-type: none"> <li>• PERFORMED Leak Testing around New Switch</li> <li>• VERIFIED Installation of High Pressure Cutout was LEAK-FREE with Electronic Detector &amp; Soap Bubbles</li> <li>• Left Nitrogen Pressure on ABSORBER @ 5 PSIG</li> <li>• LABELLED Generator Pressure Gauge &amp; Informed the Powerhouse Operation Staff to Periodically Check to make sure pressure level goes neither High nor Low</li> <li>• CLEANED Off Job</li> </ul>	Kevin Frazee
04/20/2017	1-MF8U3KS	Completed	<p>ABSORBER #1 HIGH PRESSURE SAFETY SWITCH REPLACEMENT DUPONT PO#: 6501731064 JCI QUOTE#: 1-MEPBF13</p> <p>**During the Seasonal Shutdown, when Absorber #1 was Pressurized with Nitrogen, it was discovered that the High Pressure Cutout Switch was not Opening. Upon further investigation the switch was found to be Defective.**</p> <ul style="list-style-type: none"> <li>• Ordered High Pressure Safety Switch and Materials for Job</li> </ul>	Kevin Frazee

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Materials Used:
<b>Description</b>
SWITCH, PRESSURE / 024R00132 000
R-134a HFC Refrigerant / R-134a
LOCTITE PRIMER 7649, 4.5 OZ. AEROSOL CAN
THREADLOCKER, LOCTITE 243, 1.69 OZ. BOTTLE
PT MALE
SIZE, 1-1/2" LONG

Refrigerant Tracking:									
Activity #	Action Taken	Type	Amount	Asset ID	Customer Tag	Serial Number	Model Number	Leak Location	Leak Rate
1- MHUL8TN	Add Refrigerant	NA	3		ABSORBER #1	GLCM157836	YPC ST 22G	NA	35.32

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### Service Order Warranty Terms and Conditions

#### **PARTS WARRANTY:**

Johnson Controls, Inc. (JCI) warrants that original equipment, parts or components manufactured or labeled by JCI shall be free from defects in material and workmanship under normal usage and proper installation and maintenance for a period of one (1) year from the date of shipment. Equipment, parts or components not manufactured or labeled by JCI shall carry a warranty from defects in material and workmanship under normal usage and proper installation and maintenance for a period of ninety (90) days from the date of shipment. Notwithstanding the foregoing, in the event JCI is reasonably able to identify a warranty for a period longer than the ninety (90) days applicable to equipment, parts or components not manufactured or labeled by JCI, it will assign all assignable rights under such warranty to Customer and reasonably cooperate in the enforcement of any warranty claim. Recertified or replacement parts installed on equipment and still under the original equipment manufacturer's warranty are covered for ninety (90) days or the remainder of the original equipment manufacturer warranty period, whichever is longer. For large tonnage chillers, JCI will warrant under normal usage and proper installation and maintenance for a period of one (1) year from the date of shipment: screw compressors, motors, control panels and components, VFD's and components and Liquid Cooled Solid State Starters and components. For small tonnage chillers, JCI will warrant under normal usage and proper installation and maintenance for a period of one (1) year from the date of shipment: scroll compressors, condenser coils, control panels and components, screw compressors (DXS and Mustang), and fan motors. In the event of a valid warranty claim, the Customer's remedy shall, at JCI's sole discretion and subject to the exclusions herein, be limited to repair or replacement of the subject equipment, part or component conditioned upon the return to JCI of any defective equipment, part or component. This Parts Warranty does not cover any shipping, handling or transportation charges or any associated labor costs.

#### **LABOR WARRANTY:**

Johnson Controls, Inc. (JCI) warrants its workmanship or that of its agents in relation to installation of materials for a period of ninety (90) days from date of installation or with respect to service work for a period of ninety (90) days from the date of service. Customer acknowledges that re-performance shall be its exclusive and only remedy with regards to any services provided by JCI. Customer shall bear all labor costs associated with the repair or replacement of failed material that is outside the scope of this express labor warranty. All warranty labor shall be executed during JCI normal business hours.

These warranties do not extend to any equipment which has been repaired by others, abused, altered, or misused in any way, or which has not been properly and reasonably maintained.

THESE WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THOSE OF MERCHANTABILITY AND FITNESS FOR A SPECIFIC PURPOSE. UNDER NO CIRCUMSTANCES SHALL JCI BE LIABLE FOR ANY SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES ARISING FROM OR RELATING TO ANY DEFECT IN MATERIAL OR WORKMANSHIP OF EQUIPMENT OR THE PERFORMANCE OF SERVICES.

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