



SERVICE REPAIR REPORT

Report Date: 11/29/2016

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Service Request Number: 1-42462980933

Status: Completed

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: 6501663924

Blanket Purchase Order:

Customer Authorization:

Customer Work Order:

Quoted Amount: \$1,668.31

Service Requested:

CHILLERS #8, #9, #10 SOFTWARE UPGRADE:

Coordinate with DuPont Operators to Shutdown and Lockout one Chiller at a time
UPGRADE all three CHILLER MICROBOARDS to the LATEST Revision of CONTROL LOGIC SOFTWARE (v. C.03F.03)
Unlock, Start Up, and Verify CHILLER Control Operation, and Ensure proper Communication with MICROGATEWAY Modbus Interface

Chillers #8 and #9 are currently running with the Original Software C.03F.00
Chiller #10 is currently running Software Version C.03F.01



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Service Provided:				
Date	Activity Number	Activity Status	Work Performed	By
11/29/2016	1-JM10MTV	Completed	<p>YORK OT SOFTWARE UPGRADES 11/29/16</p> <ul style="list-style-type: none"> Performed Software Upgrades on YORK OT MicroPanels to latest version (C.03F.03) in order to improve ease of Chiller Re-Starts after Power Outages. Re-Programmed Setpoints & Verified Proper Operation and Control in REMOTE Mode for each CHILLER. <p>CHILLER #8 46,568 Hrs 2085 Starts OLD EPROM: C.03F.00 (41DB) NEW EPROM: C.03F.03 (AE8B) 031-01448-000</p> <p>CHILLER #9 44,380 Hrs 1995 Starts OLD EPROM: C.03F.00 (41DB) NEW EPROM: C.03F.03 (AE8B) 031-01448-000</p> <p>CHILLER #10 35,960 Hrs 1268 Starts OLD EPROM: C.03F.01 (758C) NEW EPROM: C.03F.03 (AE8B) 031-01448-000</p> <p>ADDITIONAL WORK:</p> <p>CHILLER #8 Emptied Seal Oil Bottle (4,000ml)</p> <p>CHILLER #9 Vane Arm was Loose. Removed and Replaced Set screw supplied by customer. Readjusted Arm and added sealant to shaft and screw. Motor is leaking Hydraulic Fluid.</p>	Kevin Frazee



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Service Provided:				
Date	Activity Number	Activity Status	Work Performed	By
			Seal Oil Bottle was emptied by DuPont on 11/11/16 @ 43,979hrs / 1989starts & is currently 1/2 Full.	

Labor Details:									
Date	Activity #	Hours	Type	Miles	Asset ID	Customer Tag	Serial Number	Model Number	
	1-JM10MTV								
11/29/2016									
TOTALS TO DATE									

Materials Used:				
Activity #	Qty	UOM	Description	
1-JI9D22U	2	Each	EPROM / 031 01448 000	
1-JI9D22U	1	Each	EPROM / 031 01448 000	

Tool Charges: Disposal, Environmental & Usage Charges*: Fuel Surcharge: Miscellaneous:

Zone/Trip/Truck Charges: Shipping /Handling Charges: Per Diem:

* Disposal, Environmental & Usage Charges may include one or more of the following: miscellaneous electrical, pneumatic, welding supplies, hardware materials, or refrigerant reclaim disposal.

Refrigerant Tracking:									
Activity #	Action Taken	Type	Amount	Asset ID	Customer Tag	Serial Number	Model Number	Leak Location	Leak Rate
No Refrigerant Activity Recorded To Date									



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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.