

## CENTURION<sup>®</sup> WATER HEATER START-UP FORM

				he site and return t to: <b>CUSTOMERC</b>		-	within 30			
Please ensure that the Edge Firmware is updated as the first step in the startup process										
Completed By: Date:										
Location										
Installation Name: Technician:										
Street	Address:		Company:							
City, State, Zip:		Phone #:								
PMSales Rep: UNIT SERIAL #:										
Units										
Registered Unit is a CEN-       1600       2000       1600P       2000P         Quantity of Units at Job Site            Combustion Calibration										
	out Charter 1					MM 0152 for pr				
(O2) s	settings at the		point. Also, pr	Operation & Mainten ovide the data shown ssible.						
Ambient co	mbustion air te	emperature duri	ng calibration:		°F					
Static Gas	Pressure Upstr	ream of SSOV:		in. W.C. @ 100%						
Gas Press	ure downstrea	am of the SSO	V at 100% fire	rate:i	nches W.C.					
Valve Position	Oxygen (O2) (%)	Carbon Monoxide (CO) (ppm)	Nitrous Oxide (NOx) (ppm)	Blower Drive Voltage (Vdc)	Flame Strength (µA)	Supply Gas Pressure (in. W.C.)	Manifold Gas Pressure (in. W.C.)			
18%										
30%										
40%										
50%										
60%										
70%										
80% 100%										

Temperature Calibration for Centurion Water Heater									
Note: Consult Chapter 4 of OMM-0153 for temperature calibration procedure.									
1. Water Heater setpoint?	°F								
2. Minimum load adjustment control setting?		_							
3. Maximum load adjustment control setting?									
4. Lower aquastat setting? (Typically set 20°F above unit set point)	°F	_							
Water Heater Management (WHM) Set-Up									
1. Is RS485 (Modbus) wiring "Daisy-Chained" between units?	☐ Yes	□ No							
2. Are Sequencing Valves installed?	☐ ☐ Yes	 [_] No							
3. Are terminating resistors set to "ON" on the first and last units?	☐ Yes								
4. What is the Cascade Baud Rate?									
5. What is the Water Management Setpoint?									
6. What is the Next On Valve Pos?									
7. What is the Next Off valve Pos?									
8. What is the SSD address?									
9. What is the SSD Temp Format?									

Name:								
Phone Number:Edge Controller: Edge Controler: Edge Controller: Edge Controller: Edge Controller:	Network Co	onfiguration						
Phone Number:Edge Controller: Edge Controler: Edge Controller: Edge Controller: Edge Controller:	Namo:	Gataway Madal:	DrotaNada (Carial)					
E-Mail Address: JobName: Edge Controller: Input wiring termination to the Edge Controller or Gateway translation device (Check one) • ElA-485 (2 wire) • ElA-485 (2 wire) • ElA-485 (4 wire) • ElA-232 Building Automation System (BAS) protocol (Check one) • BACnet: • IP: • Johnson Controls - N2: • LonWorks: • Modbus: • TCP: • TCP: • RTU: What Baud Rate. (Check One): • 156,000 • 19,200 • 76,800 • 9,600 • 38,400 • Other BAS Device Address #'s PacCnet Device Instance #'s BACnet Network Number BACnet IP Address BACnet IP Address		Galeway Model.						
JobName:       Edge Controller:         Input wiring termination to the Edge Controller or Gateway translation device (Check one)         • ElA-485 (2 wire)         • ElA-485 (2 wire)         • ElA-485 (4 wire)         • ElA-232         Building Automation System (BAS) protocol (Check one)         • BACnet:         • IP:         • MS/TP:         • Johnson Controls • N2:         • LonWorks:         • TCP:         • RTU:         What Baud Rate. (Check One):         • 156,000       • 19,200         • 76,800       • 9,600         • 38,400       • Other         MS Device Address #'s	Phone Number:		ProtoNode (Lon)					
Johnanie.	E-Mail Address:							
<ul> <li>EIA-485 (2 wire)</li> <li>EIA-485 (4 wire)</li> <li>EIA-232</li> </ul> Building Automation System (BAS) protocol (Check one) <ul> <li>BACnet:</li> <li>IP:</li> <li>MS/TP:</li> <li>Johnson Controls - N2:</li> <li>LonWorks:</li> <li>Modbus:</li> <li>TCP:</li> <li>RTU:</li> </ul> What Baud Rate. (Check One): <ul> <li>156,000</li> <li>19,200</li> <li>76,800</li> <li>9,600</li> <li>38,400</li> <li>Other</li> </ul> BAS Device Address #'s	JobName:	Edge Controller:						
<ul> <li>EIA-485 (4 wire)</li> <li>EIA-232</li> <li>Building Automation System (BAS) protocol (Check one) <ul> <li>BACnet:</li> <li>BACnet:</li> <li>IP:</li> <li>MS/TP:</li> </ul> </li> <li>Johnson Controls - N2:</li> <li>LonWorks:</li> <li>Modbus: <ul> <li>TCP:</li> <li>RTU:</li> </ul> </li> <li>What Baud Rate. (Check One): <ul> <li>156,000</li> <li>19,200</li> <li>76,800</li> <li>9,600</li> </ul> </li> <li>BAS Device Address #'s</li></ul>	Input wiring termination to the Edge Controller or Gateway tran	slation device (Check one)						
<ul> <li>EIA-232</li> <li>Building Automation System (BAS) protocol (Check one) <ul> <li>BACnet:</li> <li>BACnet:</li> <li>IP:</li> <li>MS/TP:</li> </ul> </li> <li>Johnson Controls - N2: <ul> <li>Johnson Controls - N2:</li> <li>LonWorks:</li> <li>Modbus:</li> <li>TCP:</li> <li>TCP:</li> <li>RTU:</li> </ul> </li> <li>What Baud Rate. (Check One): <ul> <li>156,000</li> <li>19,200</li> <li>76,800</li> <li>9,600</li> <li>38,400</li> <li>Other</li> </ul> </li> </ul> <li>BAS Device Address #'s</li>	• EIA-485 (2 wire)							
Building Automation System (BAS) protocol (Check one)     BACnet:    BACnet:    BACnet:   BACnet IP Address #'s  BACnet IP Address  BACNet IP Addres BACNet IP Addres BACNet IP Addres B	• EIA-485 (4 wire)							
<ul> <li>BACnet:         <ul> <li>IP:</li> <li>MS/TP:</li> </ul> </li> <li>Johnson Controls - N2:</li> <li>LonWorks:         <ul> <li>Modbus:</li> <li>TCP:</li> <li>RTU:</li> </ul> </li> <li>What Baud Rate. (Check One):         <ul> <li>156,000</li> <li>19,200</li> <li>76,800</li> <li>9,600</li> <li>38,400</li> <li>Other</li> </ul> </li> <li>BAS Device Address #'s</li></ul>	• EIA-232							
<ul> <li>IP:</li> <li>MS/TP:</li> <li>Johnson Controls - N2:</li> <li>LonWorks:</li> <li>Modbus: <ul> <li>TCP:</li> <li>RTU:</li> </ul> </li> <li>What Baud Rate. (Check One): <ul> <li>156,000</li> <li>19,200</li> <li>76,800</li> <li>9,600</li> <li>38,400</li> <li>Other</li> </ul> </li> </ul> <li>BAS Device Address #'s</li>	Building Automation System (BAS) protocol (Check one)							
MS/TP:     Johnson Controls - N2:     LonWorks:     Modbus:         OTCP:         ORTU:  What Baud Rate. (Check One):         156.000         0 19,200         0 76.800         0 9,600         38,400         Other  BAS Device Address #'s N2 Device Node ID  BACnet Device Instance #'s BACnet IP Address BACNET	BACnet:							
<ul> <li>Johnson Controls - N2:</li> <li>LonWorks:</li> <li>Modbus: <ul> <li>TCP:</li> <li>RTU:</li> </ul> </li> <li>What Baud Rate. (Check One): <ul> <li>156,000</li> <li>19,200</li> <li>76,800</li> <li>9,600</li> <li>38,400</li> <li>Other</li> </ul> </li> </ul> <li>BAS Device Address #'s</li>	• <b>IP</b> :							
<ul> <li>LonWorks:</li> <li>Modbus: <ul> <li>TCP:</li> <li>RTU:</li> </ul> </li> <li>What Baud Rate. (Check One): <ul> <li>156,000</li> <li>19,200</li> <li>76,800</li> <li>9,600</li> <li>38,400</li> <li>Other</li> </ul> </li> </ul> <li>BAS Device Address #'s</li>	o MS/TP:							
Modbus: <ul> <li>TCP:                 <li>RTU:</li> </li></ul> <li>What Baud Rate. (Check One):         <ul> <li>156,000</li> <li>19,200</li> <li>76,800</li> <li>9,600</li> <li>38,400</li> <li>Other</li> </ul> </li> <li>BAS Device Address #'s</li>	Johnson Controls - N2:							
<ul> <li>TCP:</li> <li>RTU:</li> </ul> What Baud Rate. (Check One): <ul> <li>156,000</li> <li>19,200</li> <li>76,800</li> <li>9,600</li> <li>38,400</li> <li>Other</li> </ul> BAS Device Address #'s	LonWorks:							
o       RTU:         What Baud Rate. (Check One):         •       156,000         •       19,200         •       76,800       •         •       76,800       •         •       38,400       •         BAS Device Address #'s	Modbus:							
What Baud Rate. (Check One):         • 156,000       • 19,200         • 76,800       • 9,600         • 38,400       • Other         BAS Device Address #'s	o TCP:							
<ul> <li>156,000</li> <li>19,200</li> <li>76,800</li> <li>9,600</li> <li>38,400</li> <li>Other</li> </ul> BAS Device Address #'s N2 Device Node ID OR: BACnet Device Instance #'s BACnet Network Number BACnet IP Address OR:	o RTU:							
• 76,800         • 9,600           • 38,400         • Other           BAS Device Address #'s           N2 Device Node ID           OR:           BACnet Device Instance #'s           BACnet Network Number           BACnet IP Address           OR:	What Baud Rate. (Check One):							
38,400     Other BAS Device Address #'s N2 Device Node ID OR: BACnet Device Instance #'s BACnet Network Number BACnet IP Address OR:	<ul> <li>156,000</li> <li>19,200</li> </ul>							
38,400     Other  BAS Device Address #'s N2 Device Node ID  OR: BACnet Device Instance #'s BACnet Network Number  BACnet IP Address OR:	• 76,800 • 9,600							
N2 Device Node ID OR: BACnet Device Instance #'s BACnet Network Number BACnet IP Address OR:								
N2 Device Node ID OR: BACnet Device Instance #'s BACnet Network Number BACnet IP Address OR:								
OR: BACnet Device Instance #'s BACnet Network Number BACnet IP Address OR:	BAS Device Address #'s							
BACnet Network Number BACnet IP Address OR:								
BACnet IP Address OR:	BACnet Device Instance #'s							
OR:	BACnet Network Number							
LonWorks Program ID								
	LonWorks Program ID							

## ADDITIONAL NOTES: