TECHNICAL BULLETIN

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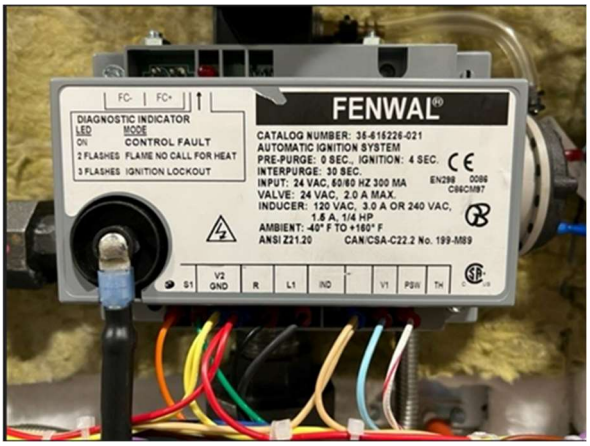
DATE:10/2/2024	
SUBJECT: BASO IGNITION MODULE KIT INSTALLATION INSTRUCTIONS SP8185	
MODELS: EVOLUTUION STEAMER N6 & P6	
SERIAL NUMBERS: ALL	

ONLY QUALIFIED SERVICE TECHNICIANS SHOULD PERFORM MAINTENANCE ON THIS EQUIPMENT

1. The listed instructions only apply if a BASO Module is replacing a FENWAL Module.

BASO Ignition Module Kit PN AT1A-7166-1

FENWAL Ignition Module PN AT0E-3760-3



2. Remove existing Fenwal Module and using the original hardware install the BASO Module.
3. Using the information listed below rewire the BASO Module and test for proper operation.

BASO Module wire locations from left to right

1. Green – 24V GND
2. Yellow – LVL GND
3. Red – 24V
4. Thick Black - IND
5. Thin Black – IND SPLY
6. Tan – VALVE
7. White/Red – TH-W
8. Light Blue – APS
9. Orange - SENSE
10. Ignition Cable - SPARK

BASO Module LED Status & Troubleshooting:
The ignition control has a multi-colored (GREEN, ORANGE, and RED) LED which will flash different colors and codes to show status of the ignition and will help troubleshoot the control.

GREEN LED Indications of Normal Operation
Flash Indication
On 1/2 sec, Off 4-1/2 sec Waiting for "Call for Heat"
On 1/2 sec, Off 1/2 sec Pre-purge, Inter-purge, post-purge
On 1/2 sec, Off 1/2 sec Trial for Ignition (TFI)
On Solid RUN (Flame, Main valve on)
ORANGE LED Indications
Flash Indication Error Type
On 1/2 sec, Off 4-1/2 sec Retry Standby
On 1/2 sec, Off 1/2 sec Flame Present Standby
On 1/2 sec, Off 1/2 sec Pressure Present Standby
RED LED Indications of ERROR Codes (100% Lockout)
Flash Indication Error Type
1 flash No flame in trial time 100% Lockout
2 flashes Flame sense stuck 100% Lockout
3 flashes Valve relay circuit 100% Lockout
4 flashes Inducer (Blower) relay circuit 100% Lockout
5 flashes Rollout error 100% Lockout
6 flashes Pressure switch 100% Lockout
7 flashes Repetitive flame loss 100% Lockout
8 or 9 flashes Internal control 100% Lockout