



NOTES:

1. BOILER VALVE CONTROLLER: AERCO P/N 64098
2. CONTROL PANEL CONTACTS RATED FOR MAXIMUM OF 2 AMPS.
3. WIRES TO BE 16 AWG.
4. BLR RELAY TERMINALS ON THE BOILER VALVE CONTROLLER ARE POWERED (24VDC).
5. MOV TERMINALS ON THE BOILER VALVE CONTROLLER ARE POWERED (24VAC).
6. DLY INT TERMINALS ON THE BOILER I/O BOX ARE DRY CONTACTS.
7. BELIMO VALVE: AERCO P/N 92084-3 (3" FLG/AMX-24MFT ACTUATOR), 92084-4 (4" FLG/GMX-24MFT ACTUATOR), 92084-5 (3" FLG/GKX-24MFT ACTUATOR), 92084-6 (4" FLG/GKX-24MFT ACTUATOR), OR 92084-7 (6" FLG/DKRX-24MFT ACTUATOR).
8. MOTORIZED CONTROL VALVE (BELIMO ACTUATOR AMX24-MFT, GMX24-MFT, GKX24-MFT, OR DKRX24-MFT Powered Open, Powered Close) PACKAGED WITH OPEN END SWITCH.
AMX24-MFT & GMX24-MFT ARE FAIL-IN-PLACE; GKX24-MFT & DKRX24-MFT INCLUDE ELECTRONIC FAILSAFE (CAPACITOR).
 - a. OPEN END SWITCH MAKES WHEN VALVE PHYSICALLY OPENS. THIS WILL CLOSE THE DELAYED INTERLOCK IN THE I/O BOX AND ALLOW THE BOILER TO FIRE.
 - b. OPEN END SWITCH BREAKS WHEN VALVE PHYSICALLY CLOSES. THIS WILL OPEN THE DELAYED INTERLOCK AND PROHIBIT THE BOILER FROM FIRING.
9. MOTORIZED CONTROL VALVE ELECTRICAL REQUIREMENTS: 24VAC±20%
10. WHEN THE ROTATION SWITCH IS POINTED TO "1" (AM/GM/GK ACTUATORS)/"Y2" (DKRX ACTUATOR) AND POWER IS APPLIED TO WIRE #3, THE ACTUATOR ROTATES COUNTER CLOCKWISE (AM/GM/GK ACTUATORS)/ CLOCKWISE (DKRX ACTUATOR) TO THE CLOSE POSITION.
11. BELIMO AM/GM/GK/DKRX ACTUATORS OPEN IN 90 SECONDS. THE AUX START ON DELAY PARAMETER IN THE C-MORE MUST BE PROGRAMMED FOR A MINIMUM OF 100 SECONDS. THE DELAYED INTERLOCK MUST BE CLOSED BEFORE THIS TIME LAPSES, OTHERWISE, THE BOILER WILL LOCKOUT AND GO TO A FAULT.
12. THE PUMP DELAY TIMER IN THE C-MORE MUST BE PROGRAMMED (RECOMMENDED: 2 MINUTES MINIMUM). THIS KEEPS THE VALVE OPEN TO DISSIPATE HEAT UNTIL THE PROGRAMMED TIME LAPSES.

AERCO INTERNATIONAL, INC. NORTHVALE, NJ 07647		
AERCO 24V 12-BOILER VLV CONTROLLER WITH BELIMO PWR OPEN/PWR CLOSE VLV (AM/GM/GK/DKRX ACTUATOR) WIRING DIAGRAM		
DWN BY <u>CZ</u> DATE <u>021612</u>		REV. B
SCALE <u>NTS</u>		SD-A-910
APPD. _____ DATE _____		