



**NOTES:**

1. 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).
2. R1 IS A FIELD INSTALLED SPST RELAY.  
 TRANSFORMER SIZING: AMX24-MFT 6VA (CLASS 2 POWER SOURCE)  
 GMX24-MFT 7VA (CLASS 2 POWER SOURCE)  
 GKX24-MFT/DKRX24-MFT 21VA (CLASS 2 POWER SOURCE)
3. MOTORIZED CONTROL VALVE ELECTRICAL REQUIREMENTS: 24VAC±20%/24VDC±10%
4. 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.
5. USE 16 AWG FOR ALL WIRING.
6. OPEN END SWITCH MUST CLOSE WHEN VALVE OPENS. THIS WILL CLOSE THE DELAYED INTERLOCK IN THE I/O BOX AND ALLOW THE BOILER TO FIRE.
7. OPEN END SWITCH MUST OPEN WHEN VALVE CLOSES. THIS WILL OPEN THE DELAYED INTERLOCK AND PROHIBIT THE BOILER FROM FIRING.
8. 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.
9. 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.

<b>AERCO INTERNATIONAL, INC.</b> BLAUVELT, NY 10913		
MOTORIZED POWER OPEN/CLOSE CONTROL VALVE (BELIMO AM/GM/GK/DKRX ACTUATOR) WIRING DIAGRAM - FIELD INSTALLED RELAY		
DWN. BY <u>CZ</u> DATE <u>050611</u>		REV. <u>C</u>
SCALE <u>NTS</u>	SD-A-864	
APPD. _____ DATE _____		