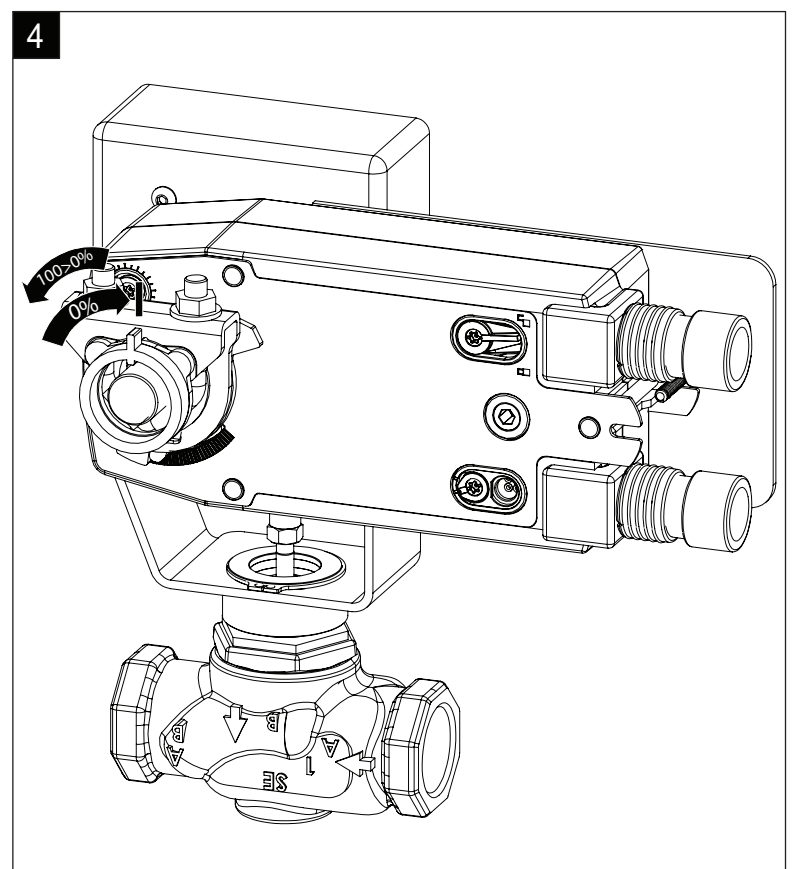
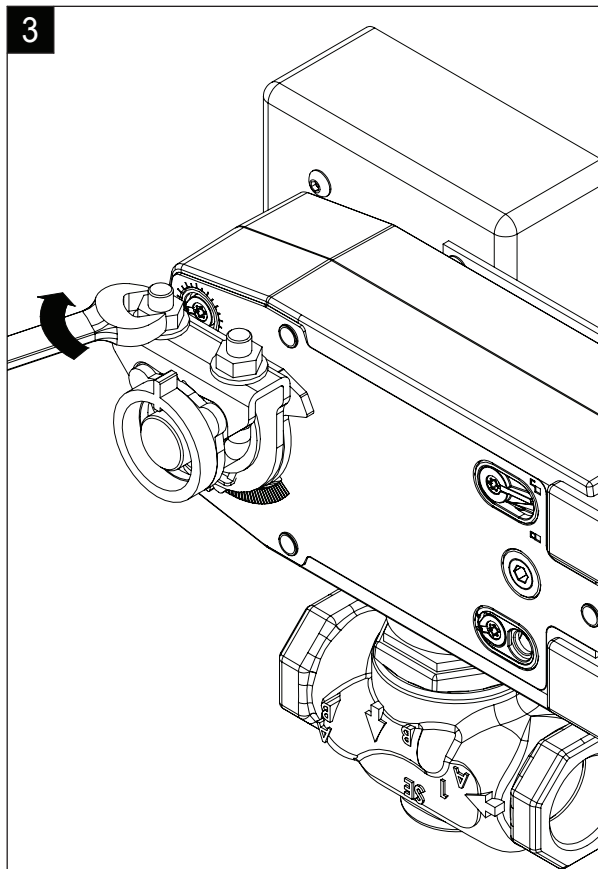
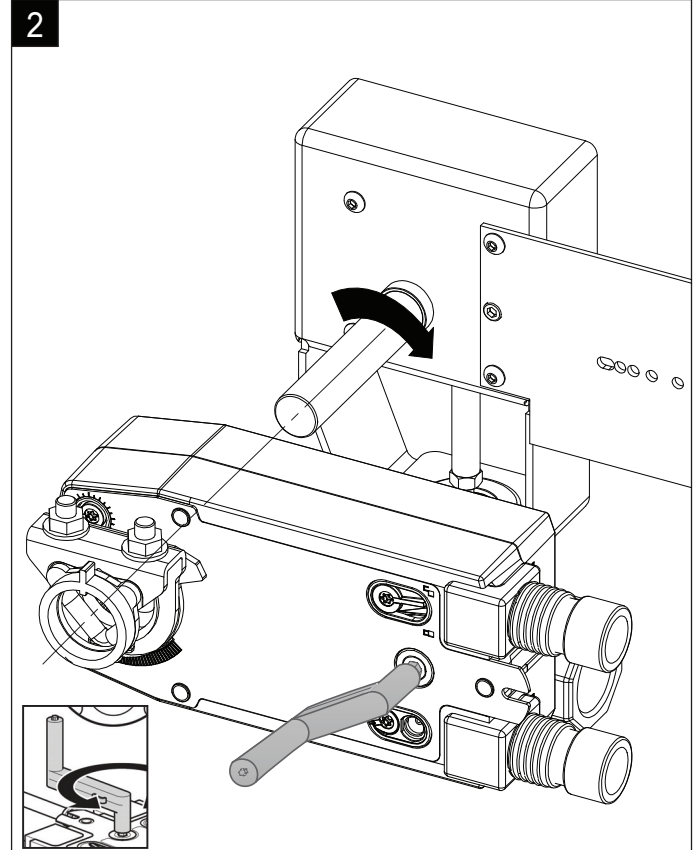
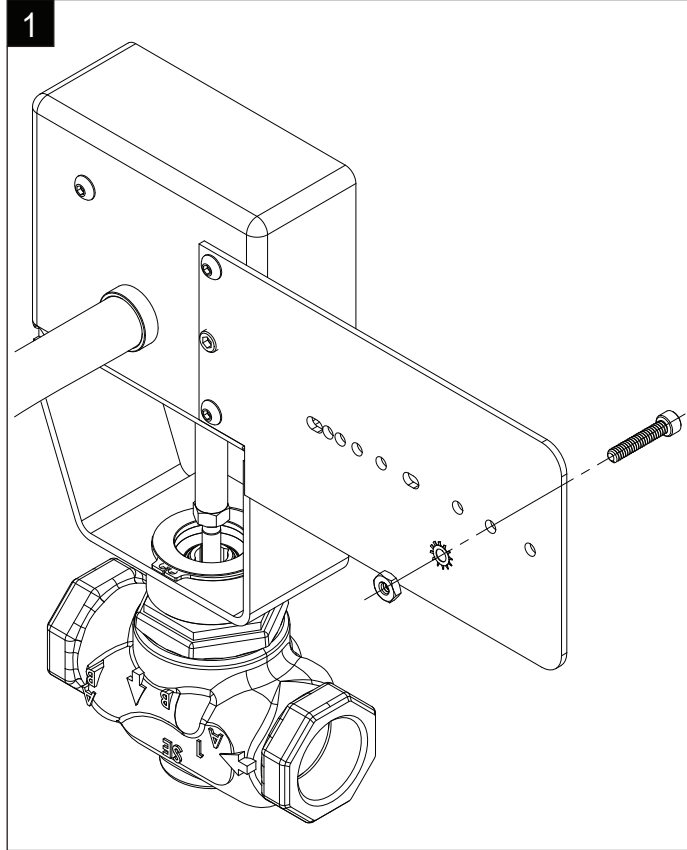
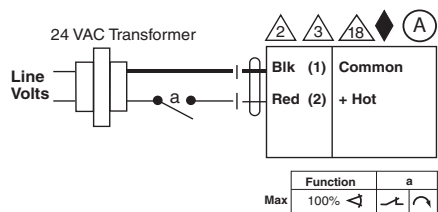


AF-X1 Actuator with G2 and G3 Globe Valves

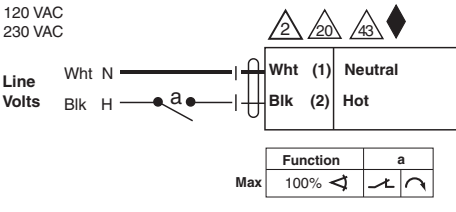
71451-00001



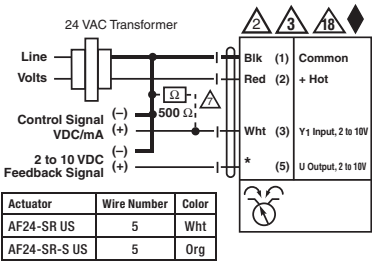
Spring Return Actuator with On/Off, Floating Point and -SR



On/Off

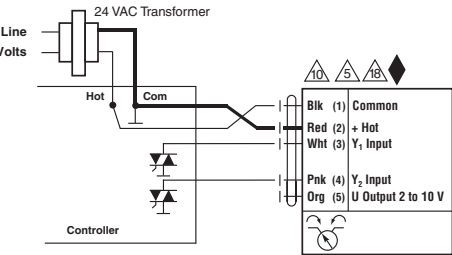


24 VAC up to 240 VAC

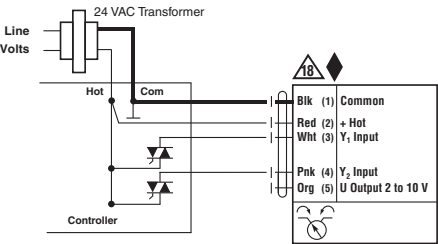


VDC / 4 to 20 mA

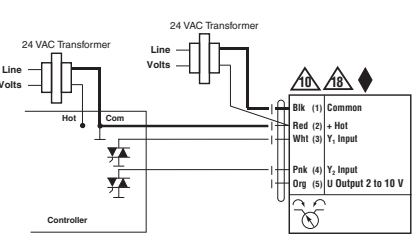
Spring Return Actuator with MFT



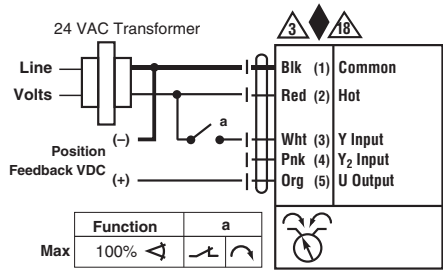
Triac Sink



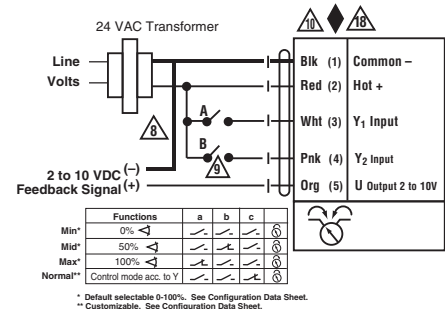
Triac Source



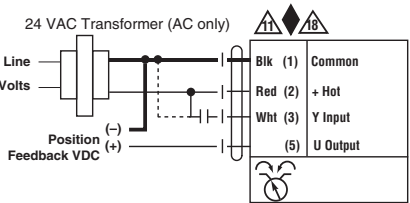
Triac Sink with Separate Transformer



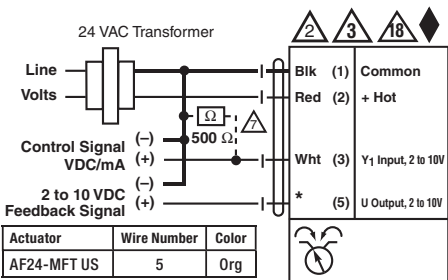
On/Off



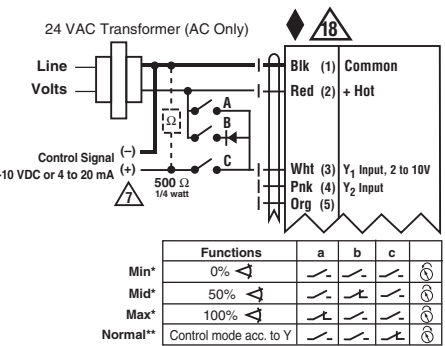
Floating Point



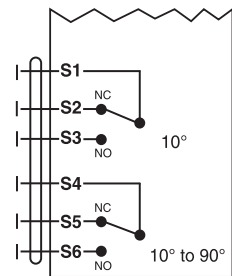
PWM



VDC / 4 to 20 mA



Override Control Min, Mid, Max Postions



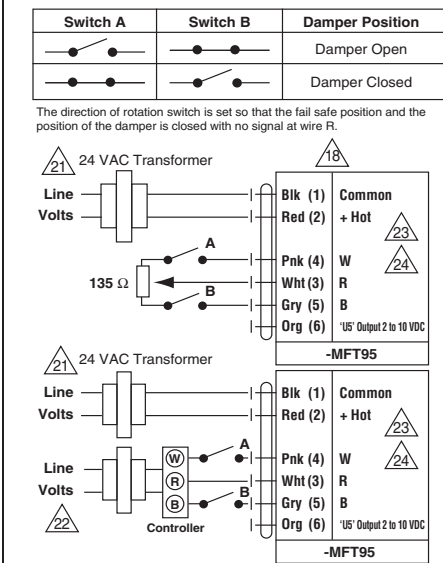
Auxiliary Switches

Notes:

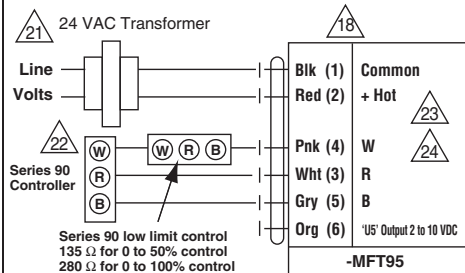
- Meets cULus requirements without the need of an electrical ground connection
- Actuators with appliance cables are numbered.
- Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- Actuators may also be powered by 24 VDC.
- Only connect common to neg. (-) leg of control circuits.
- A 500 Ohm resistor converts the 4 to 20 mA control signal to 2 to 10 VDC.
- Control signal may be pulsed from either the Hot (Source) or Common (Sink) 24 VAC line.
- Contact closures A & B also can be triacs. A & B should both be closed for the triac source and open for triac sink.
- For triac sink the Common connection from the actuator must be connected to the Hot connection of the controller. Position feedback cannot be used with a triac sink controller. The actuator internal common reference is not compatible.
- Actuators may be connected in parallel if not mechanically mounted to the same shaft. Power consumption and input impedance must be observed.
- Actuators with plenum rated cable do not have numbers on wires; use color codes instead.
- All 120 VAC, 230 VAC, and UP actuators use appliance rated cables.
- UP models use "L" instead of "H" on #2 wire.

- GRN Green
- Verde Vert
- Verde
- ORG Orange
- Anaranjado Orange
- Alaranjado
- PNK Pink
- Rosado Rosa
- Cor-de-ros
- WHT White
- Blanco Blanco
- Blanco
- RED Red
- Rouge Vermelho
- BLK Black
- Negro Noir
- Preto

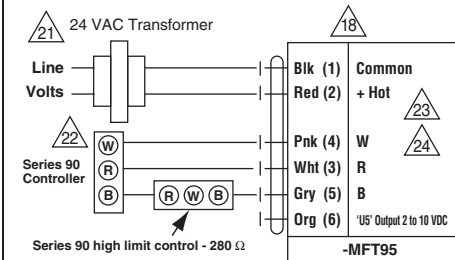
MFT95



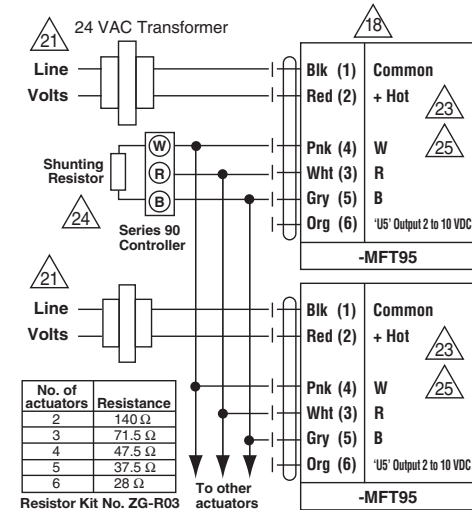
Override



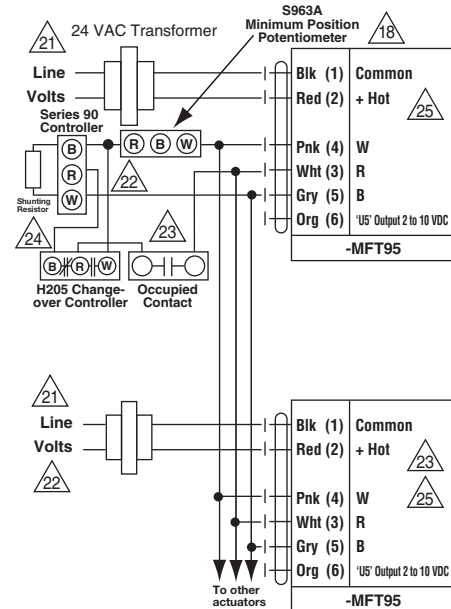
Low Limit Control



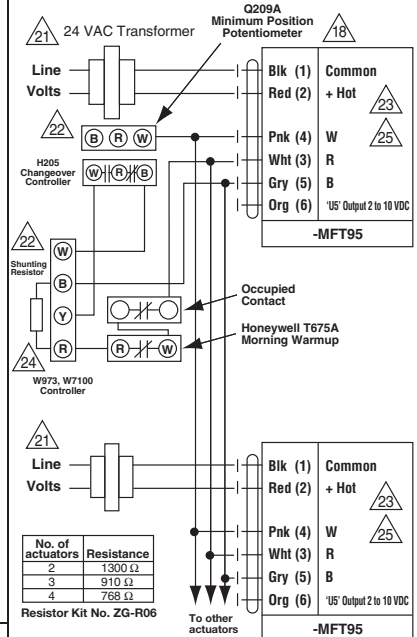
High Limit Control



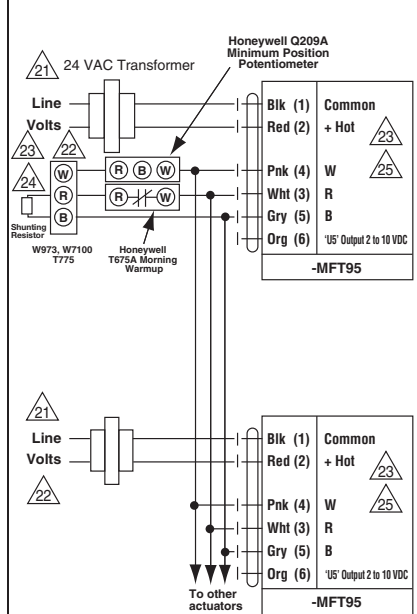
Wiring multiple actuators to a Series 90 Controller



Wiring Multiple Actuators to a Series 90 Controller using Minimum Position Potentiometer



Used with the W973 and W7100 controllers



Typical Wiring Diagrams for Multiple Actuators used with the W973, W7100 and T775 controllers

Notes:

- 18 Actuators with plenum rated cable do not have numbers on wires; use color codes instead.
- 21 Provide overload protection and disconnect as required.
- 22 Actuators and controller must have separate transformers.
- 23 Consult controller instruction data for more detailed information.
- 24 Resistor value depend on the type of controller and the number of actuators. No resistor required for one actuator. Honeywell® resistor kits may be used.
- 25 To reverse control rotation, use the reversing switch.

- Slave Slave Esclavo Esclavo
- Master Master Amo Maitre Mestre
- BRN Brown Marron Brun Marrom
- BLU Blue Azul Bleu Azul
- GRY Gray Gris Gris Cinzento
- ORG Orange Anaranjado Orange Alaranjado
- PNK Pink Rosado Rosa Cor-de ros
- WHT White Branco Blanc Branco
- RED Red Rojo Rouge Vermelho
- BLK Black Negro Noir Preto