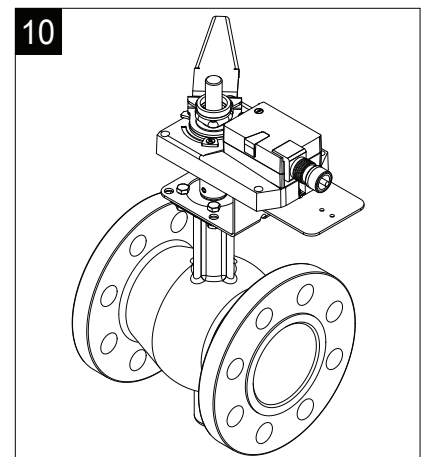
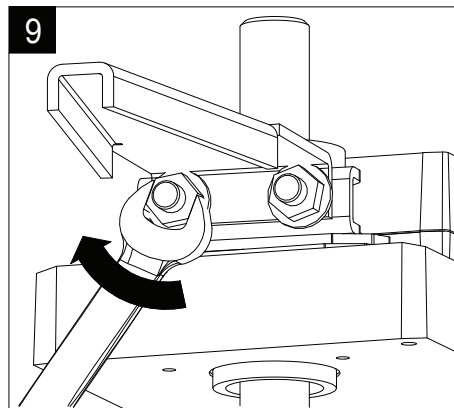
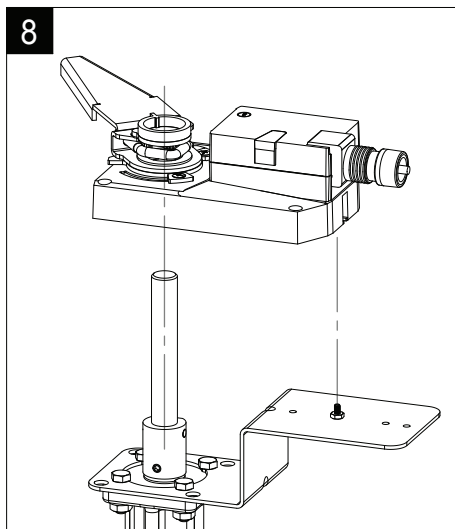
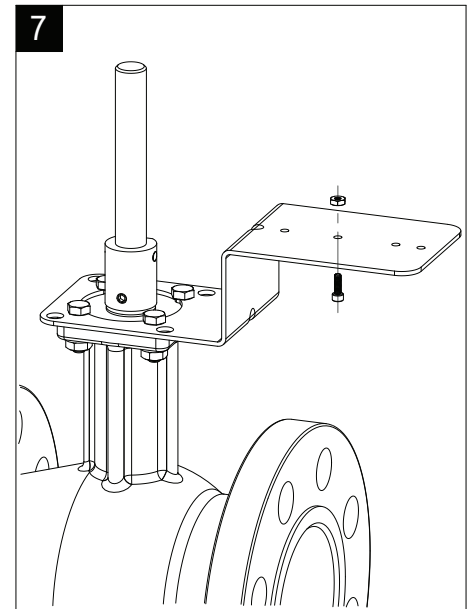
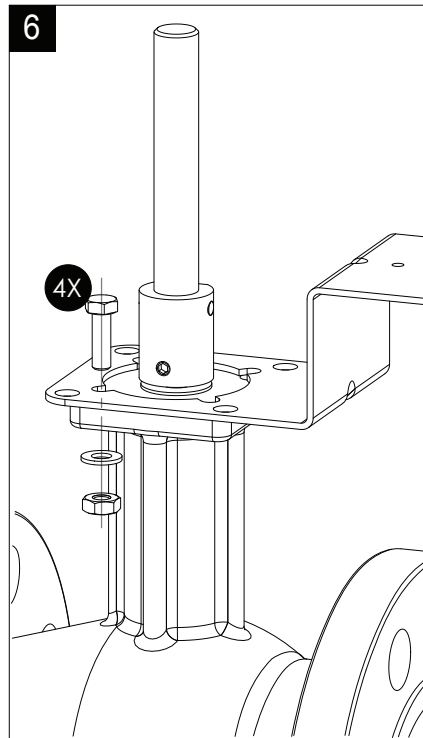
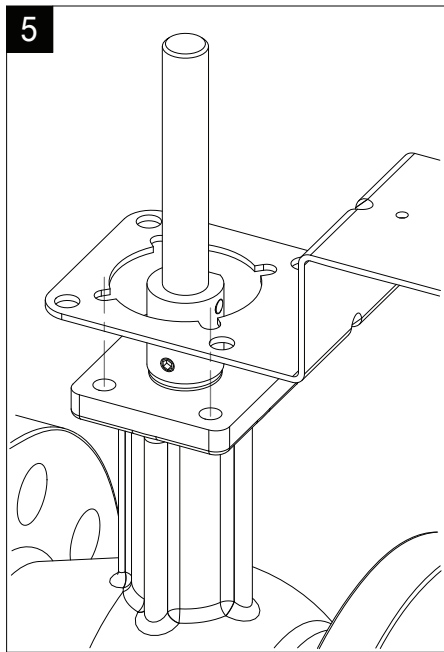
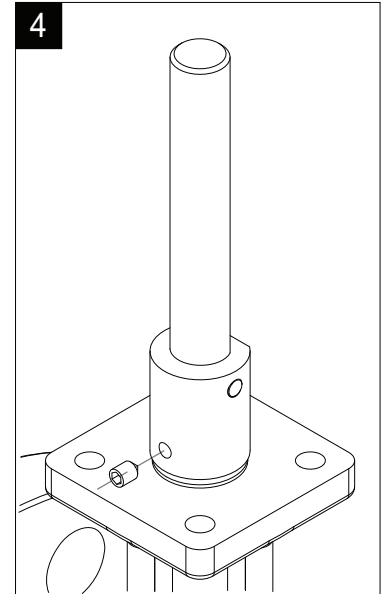
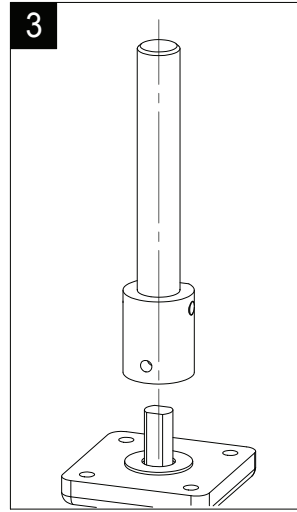
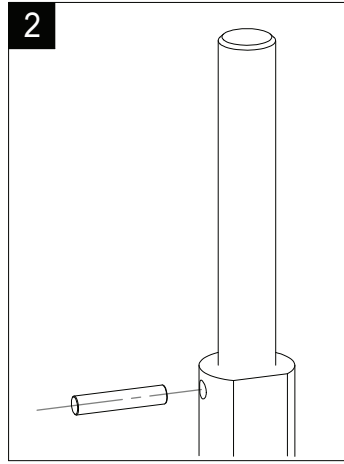
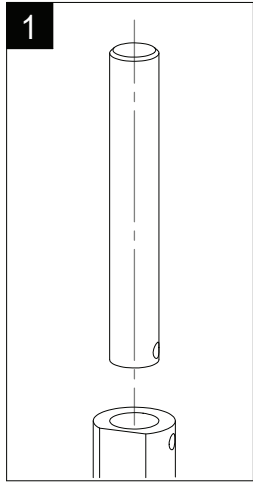
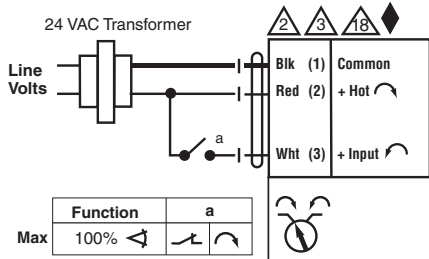


71496-00001

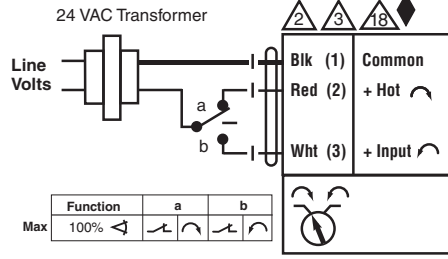
# GM-X1 Actuators with B6 Flanged V Ball Valves



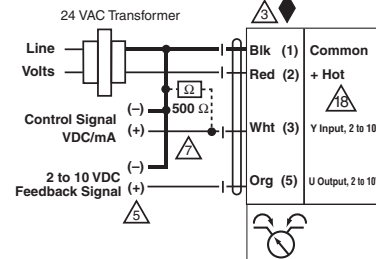
**Non-Spring Return Actuator with -3 and -SR**



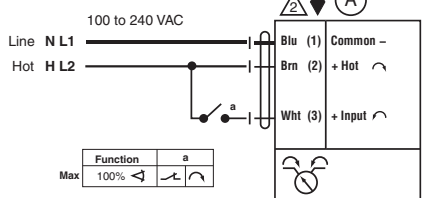
**On/Off**



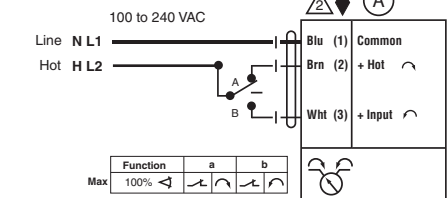
**Floating Point**



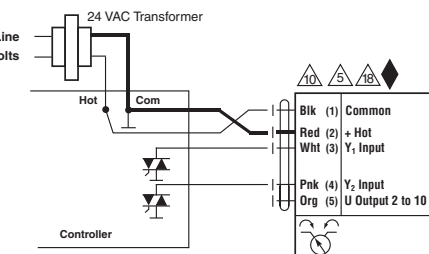
**VDC / 4 to 20 mA**



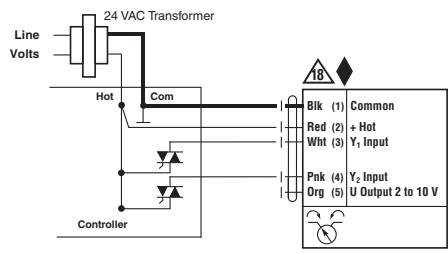
**On/Off**



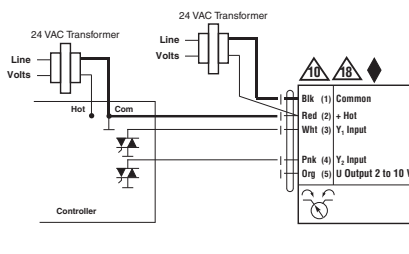
**Floating Point**



**Triac Sink**

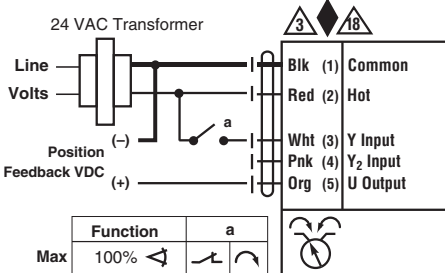


**Triac Source**

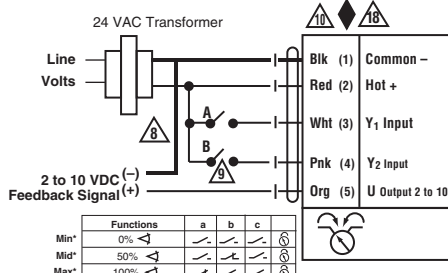


**Triac Sink with Separate Transformer**

**Non-Spring Return Actuator with MFT**



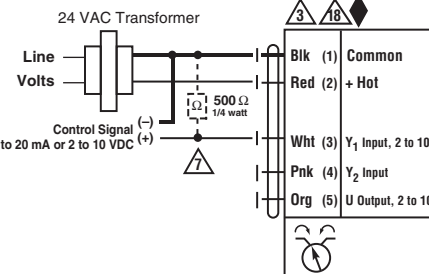
**On/Off**



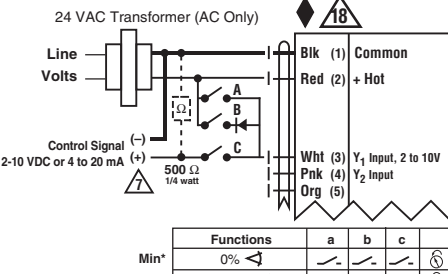
**Floating Point**

**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 Ω 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 with plenum rated cable do not have numbers on wires; use color codes instead.



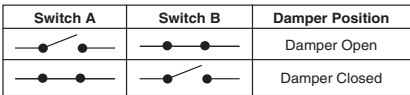
**VDC / 4 to 20 mA**



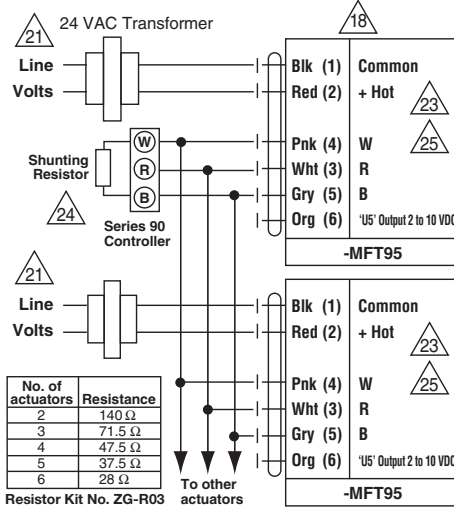
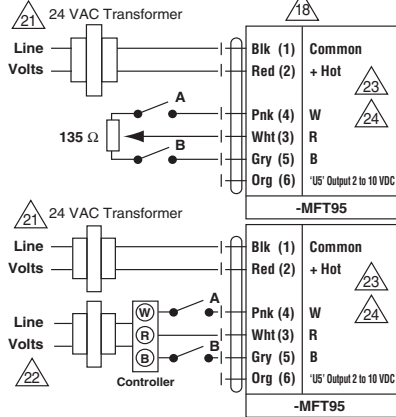
**Override Control Min, Mid, Max Postions**

- BRN Brown
- BLU Blue
- GRN Green
- ORG Orange
- WHT White
- RED Red
- BLK Black
- BRN Brown
- MARRN Marron
- BRN Brun
- MAZZO Marro
- BLU Azul
- VERDE Verde
- VERDE Verde
- ORG Anaranjado
- ORANGE Orange
- ORANGE Alaranjado
- WHT White
- BLANCO Blanco
- BLANCO Branco
- RED Rojo
- ROUGE Rouge
- VERMELHO Vermelho
- BLK Negro
- NOIR Noir
- PRETO Preto

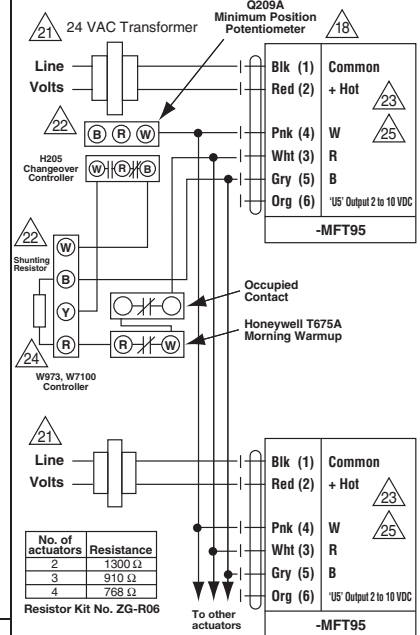
MFT95



The direction of rotation switch is set so that the fail safe position and the position of the damper is closed with no signal at wire R.

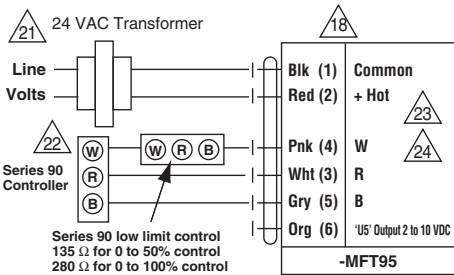


Wiring multiple actuators to a Series 90 Controller

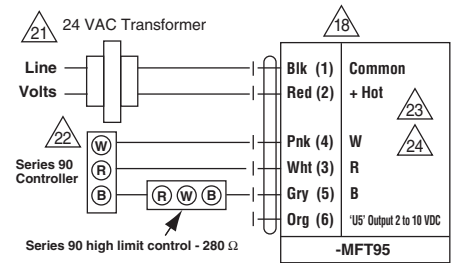


Used with the W973 and W7100 controllers

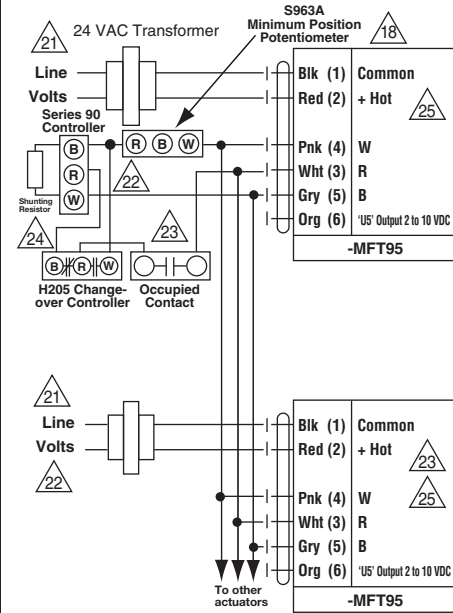
Override



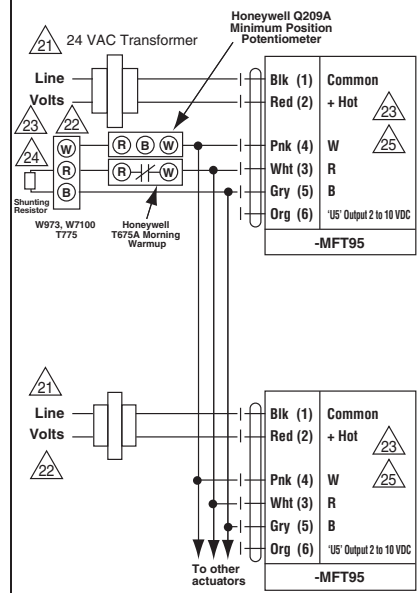
Low Limit Control



High Limit Control



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



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

Notes:

- Actuators with plenum rated cable do not have numbers on wires; use color codes instead.
- Provide overload protection and disconnect as required.
- Actuators and controller must have separate transformers.
- Consult controller instruction data for more detailed information.
- 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.
- To reverse control rotation, use the reversing switch.

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