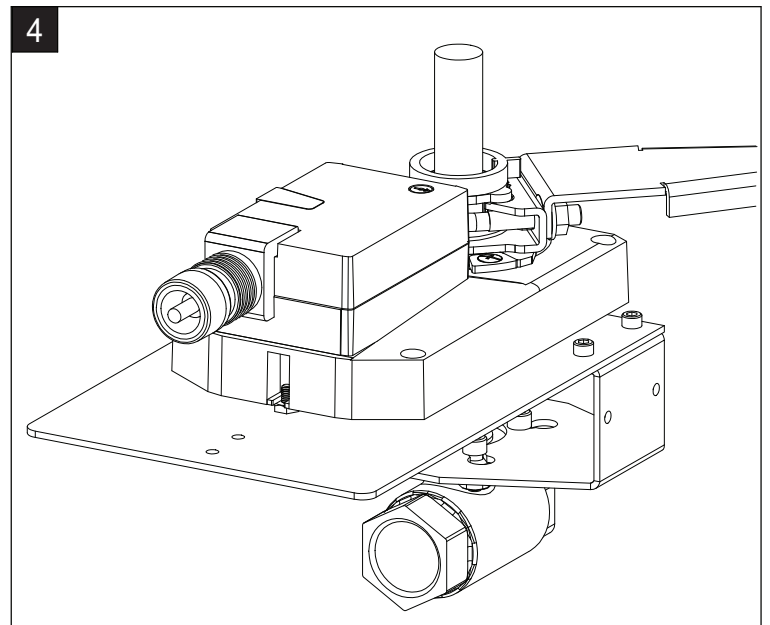
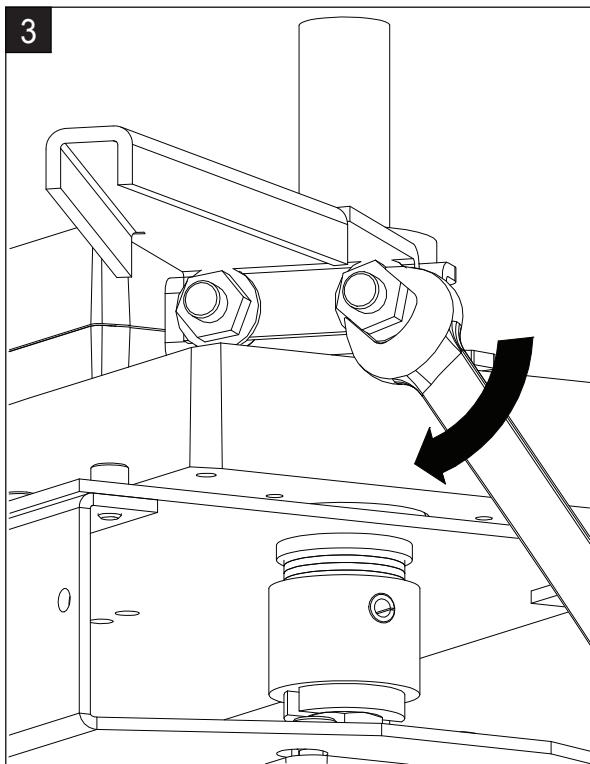
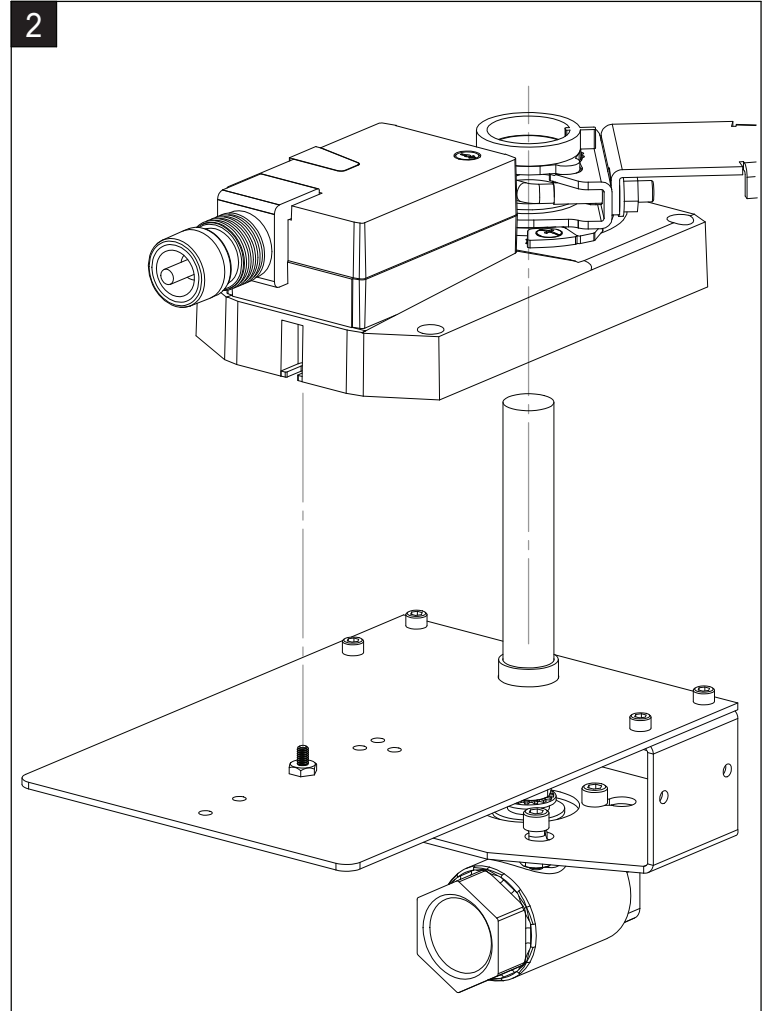
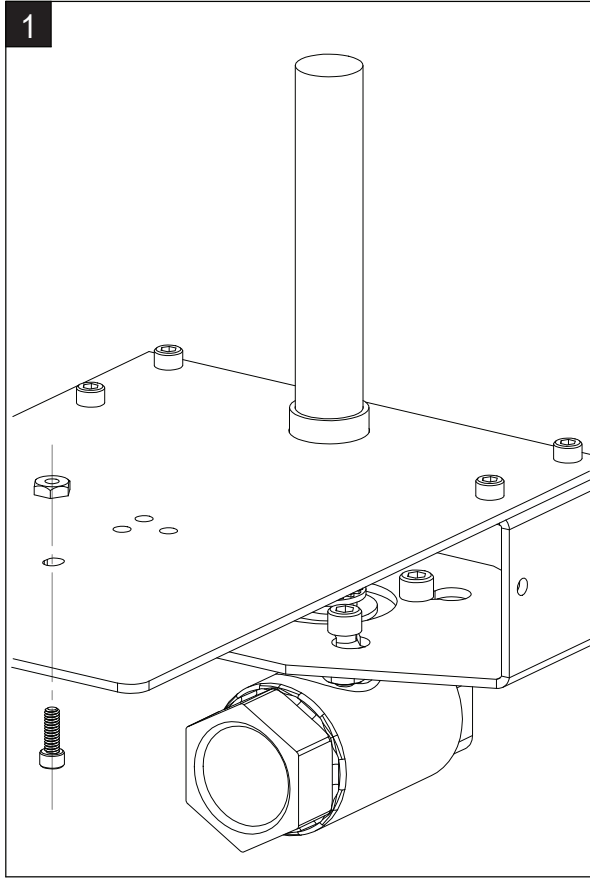
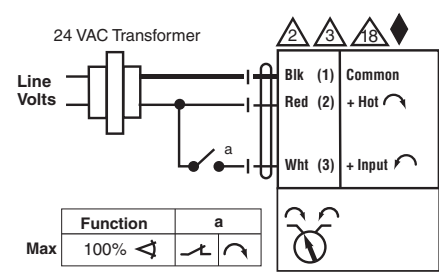


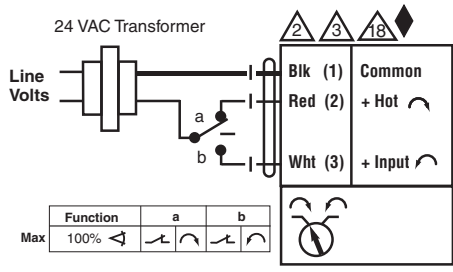
GM-X1 Actuators with B2 & B3 VS/VSS Ball Valves



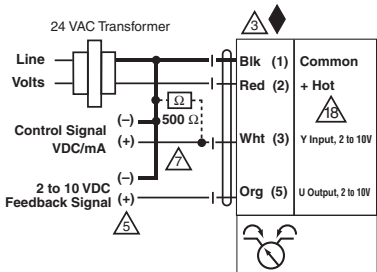
Non-Spring Return Actuator with -3 and -SR



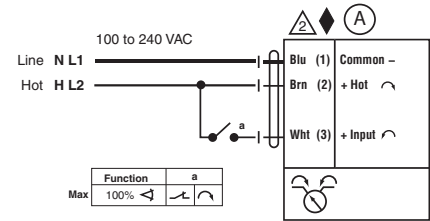
On/Off



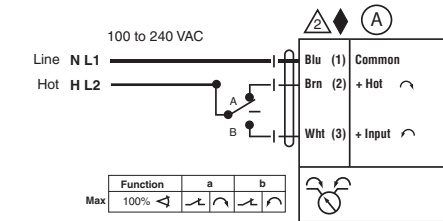
Floating Point



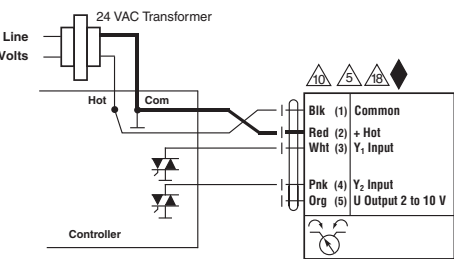
VDC / 4 to 20 mA



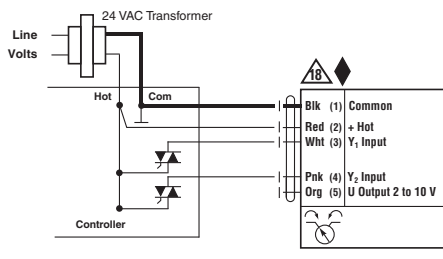
On/Off



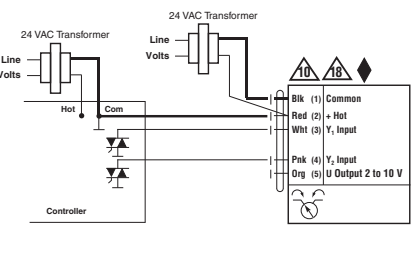
Floating Point



Triac Sink

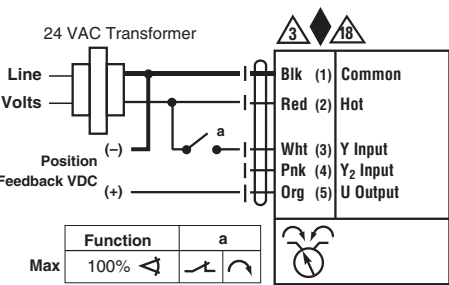


Triac Source

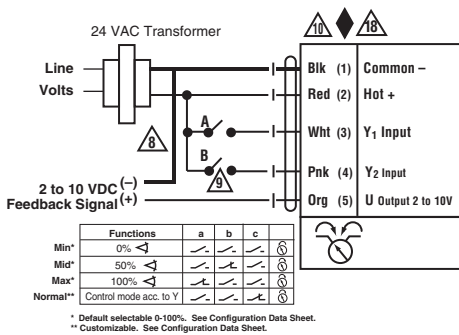


Triac Sink with Separate Transformer

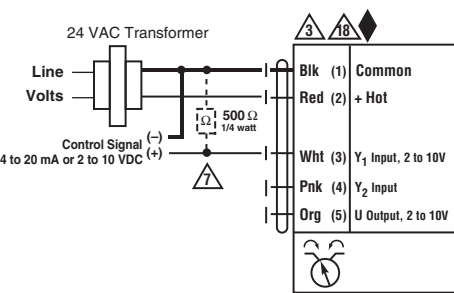
Non-Spring Return Actuator with MFT



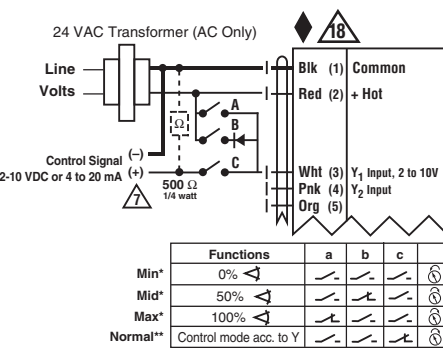
On/Off



Floating Point



VDC / 4 to 20 mA



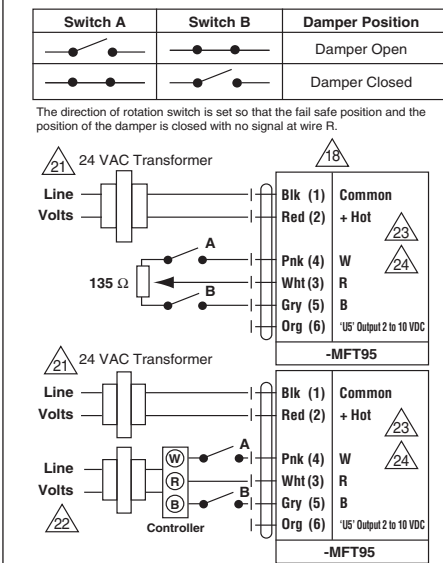
Override Control Min, Mid, Max Postions

Notes:

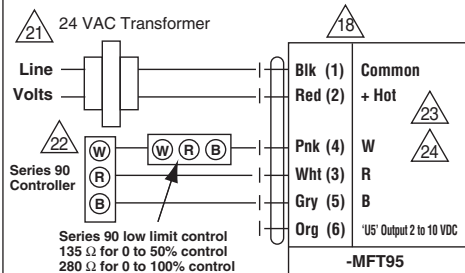
- Meets cULus requirements without the need of an electrical ground connection
- Actuators with appliance cables are numbered.
- Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- Actuators may also be powered by 24 VDC.
- Only connect common to neg. (-) 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.

- BRN Brown Marron Brun Marrom
- BLU Blue Azul Bleu Azul
- GRN Green Verde Vert Verde
- 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

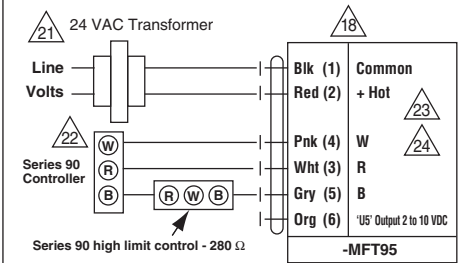
MFT95



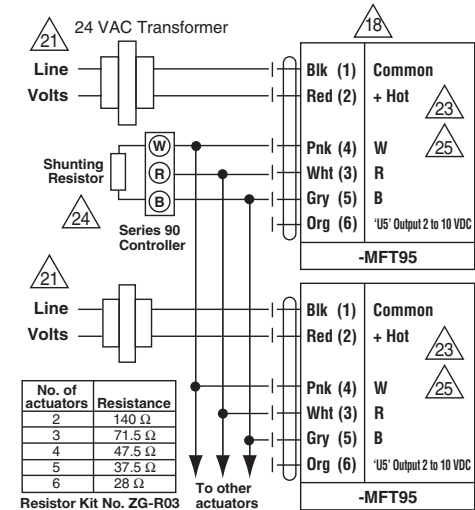
Override



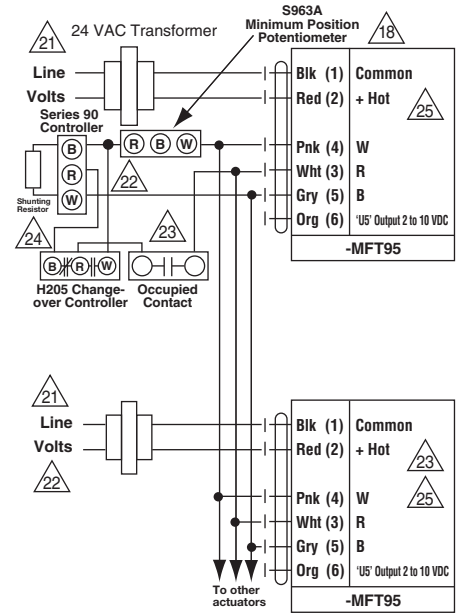
Low Limit Control



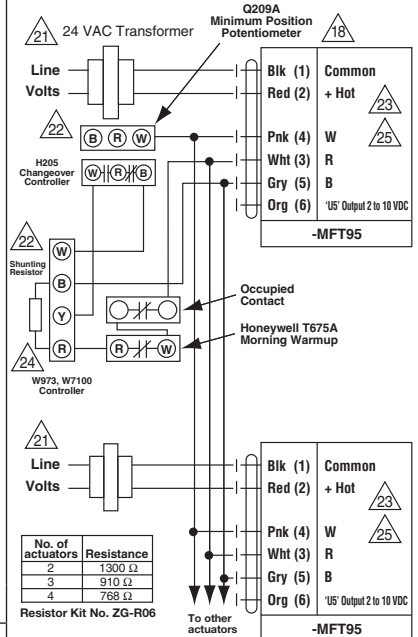
High Limit Control



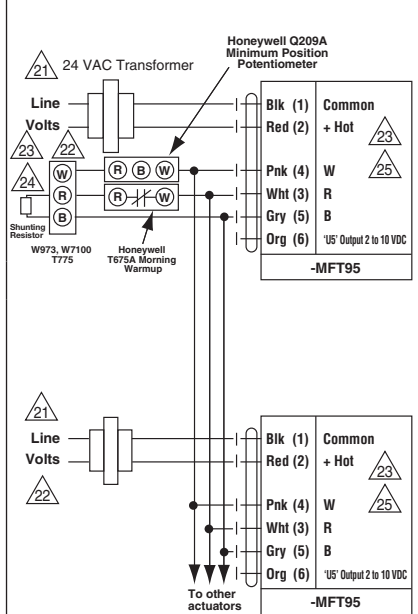
Wiring multiple actuators to a Series 90 Controller



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