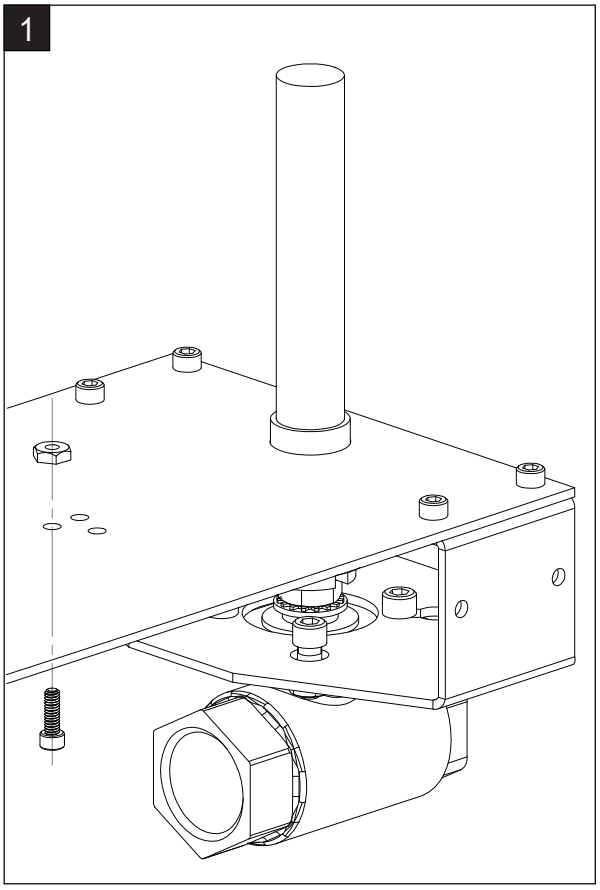
QUICK MOUNT VISUAL INSTRUCTION MANUAL

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

71459-00001

1



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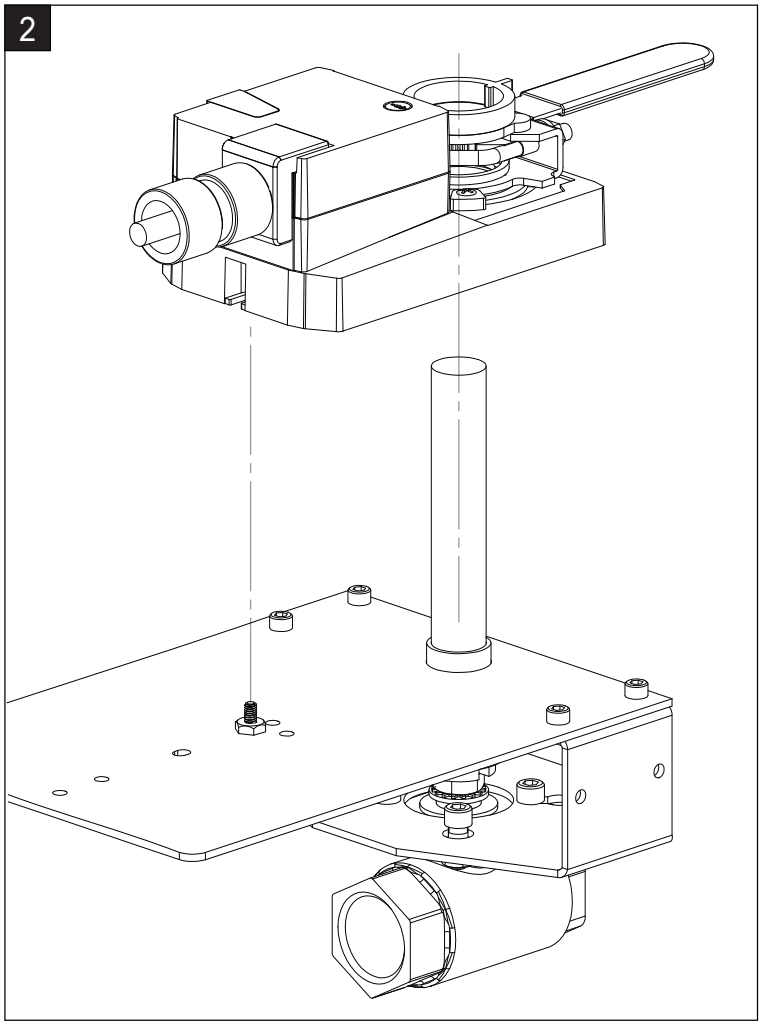

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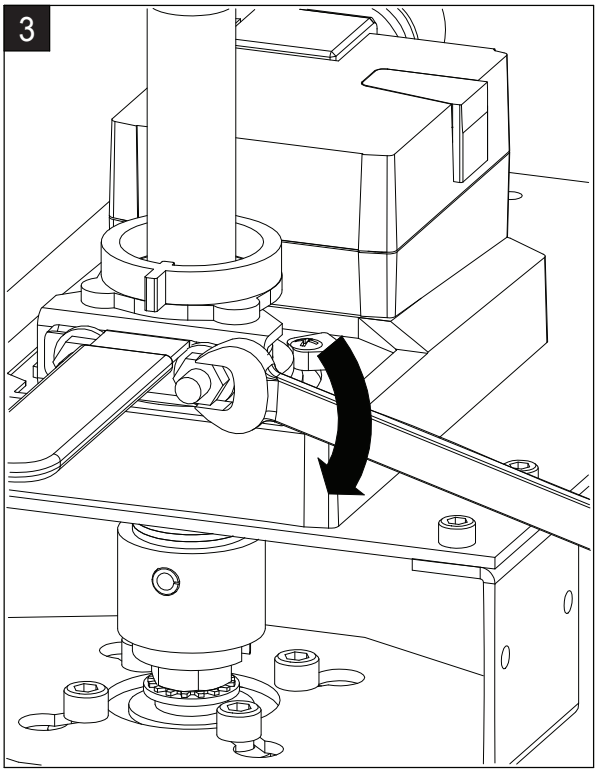

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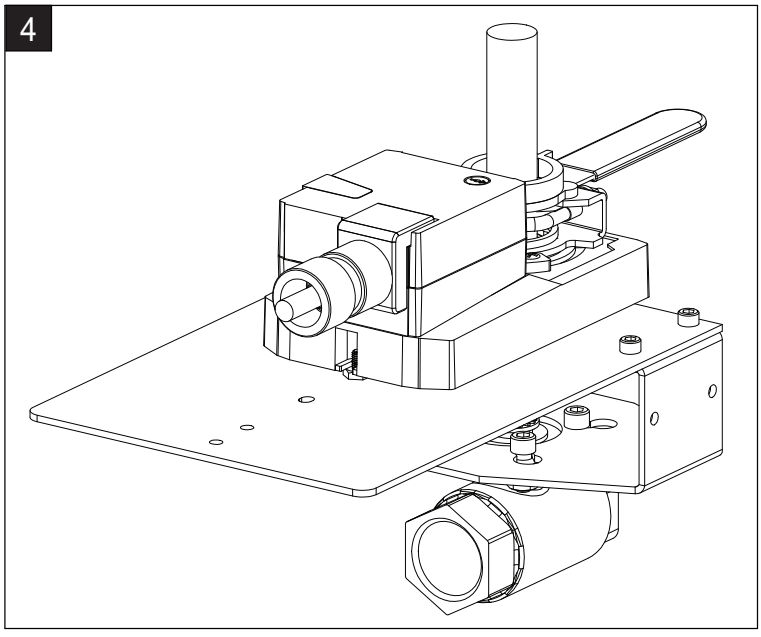
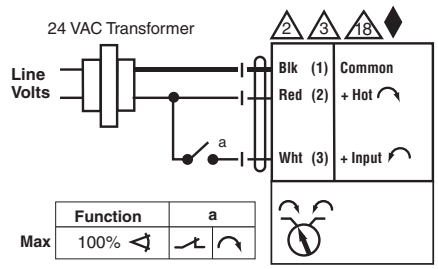
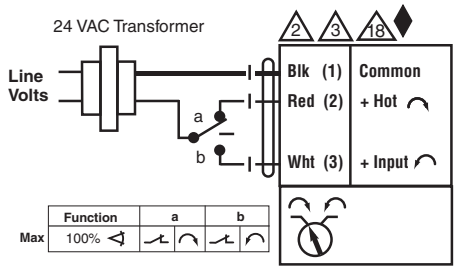


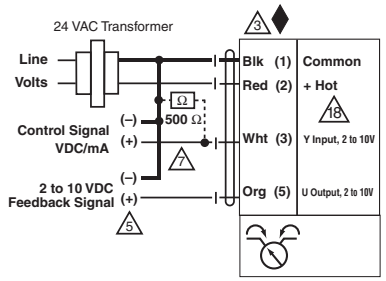
Non-Spring Return Actuator with -3 and -SR



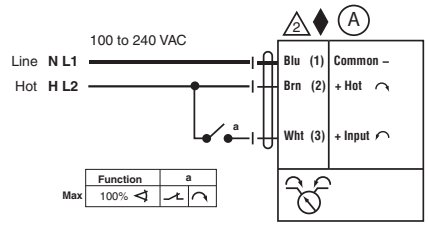
On/Off



Floating Point



VDC / 4 to 20 mA



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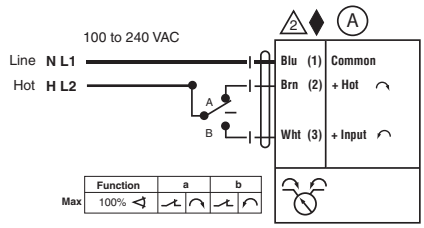

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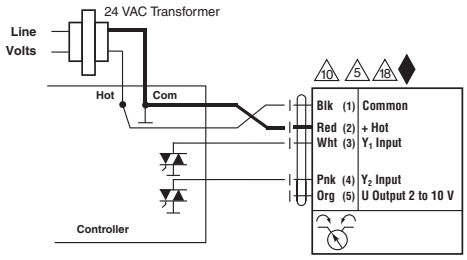
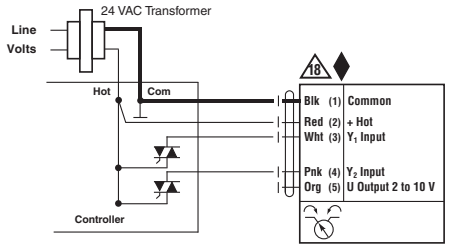
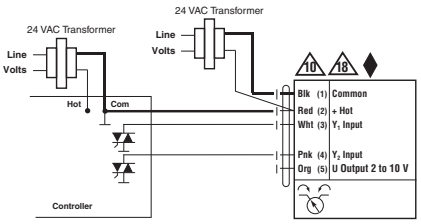


Triac Sink

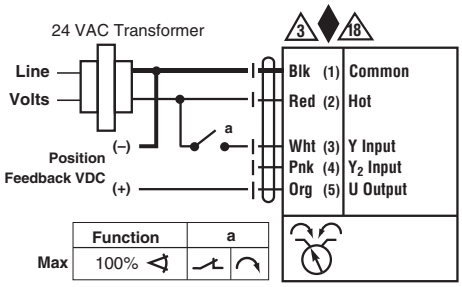


Triac Source

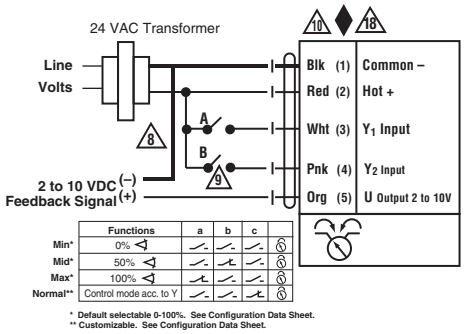


Triac Sink with Separate Transformer

Non-Spring Return Actuator with MFT



On/Off



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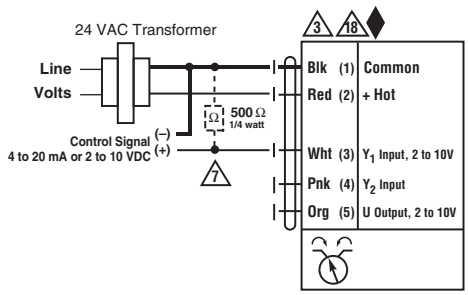
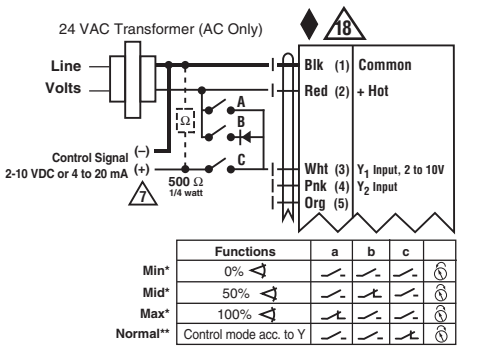


VDC / 4 to 20 mA



Override Control Min, Mid, Max Postions

Notes:

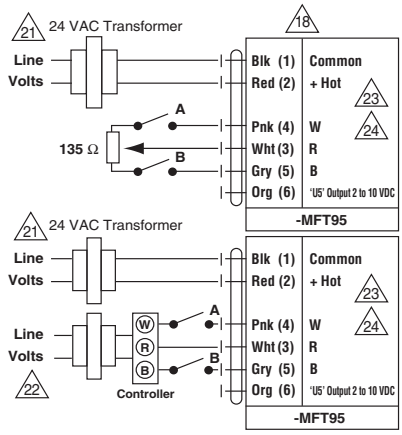
- ♦ Meets cULus requirements without the need of an electrical ground connection
- Ⓐ Actuators with appliance cables are numbered.
- △2 Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- △3 Actuators may also be powered by 24 VDC.
- △5 Only connect common to neg. (-) leg of control circuits.
- △7 A 500 Ω resistor converts the 4 to 20 mA control signal to 2 to 10 VDC.
- △8 Control signal may be pulsed from either the Hot (Source) or Common (Sink) 24 VAC line.
- △9 Contact closures A & B also can be triacs. A & B should both be closed for the triac source and open for triac sink.
- △10 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.
- △18 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	Blanco	Blanc	Branco
RED	Red	Rojo	Rouge	Vermelho
BLK	Black	Negro	Noir	Preto

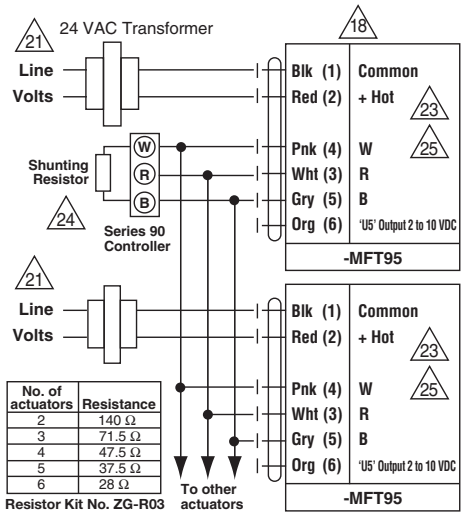
MFT95

Switch A	Switch B	Damper Position
		Damper Open
		Damper Closed

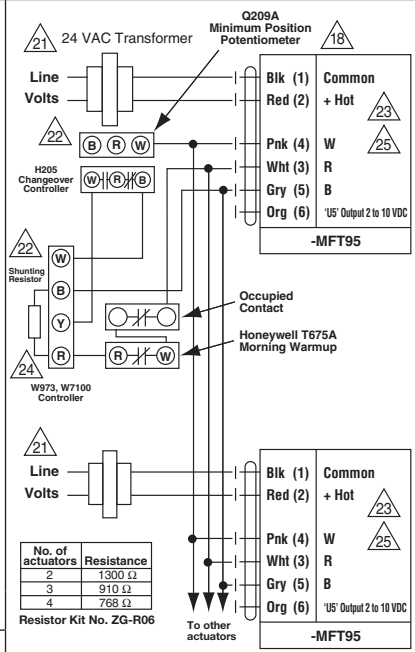
The direction of rotation switch is set so that the fail safe position and the position of the damper is closed with no signal at wire R.



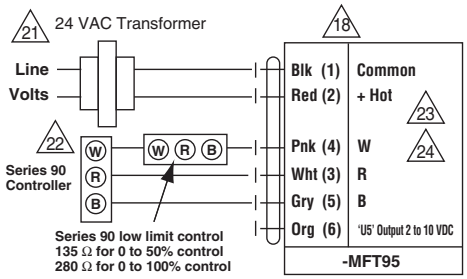
Override



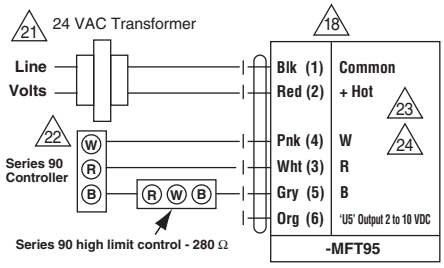
Wiring multiple actuators to a Series 90 Controller



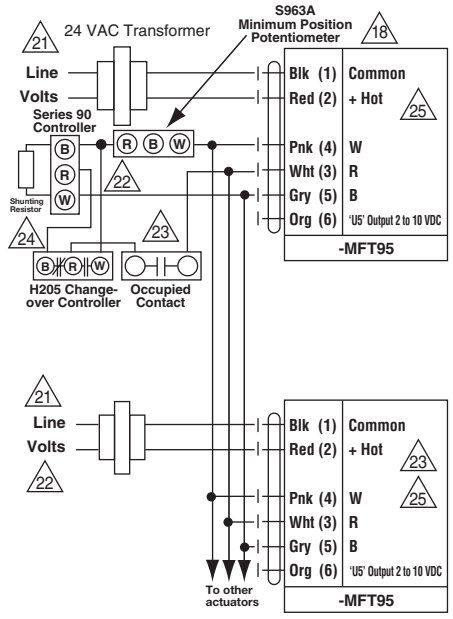
Used with the W973 and W7100 controllers



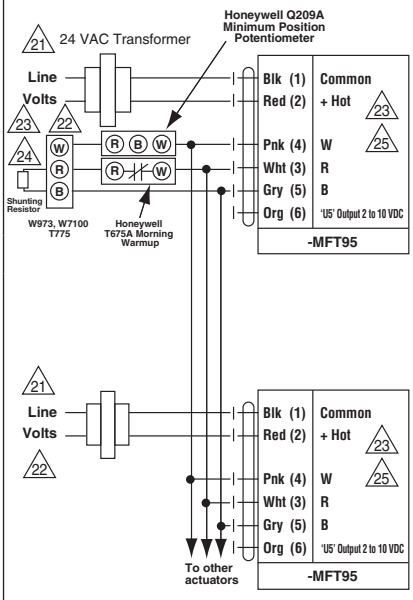
Low Limit Control



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:

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	Esclave	Escravo
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	Blanco	Blanc	Branco
RED	Red	Rojo	Rouge	Vermelho
BLK	Black	Negro	Noir	Preto