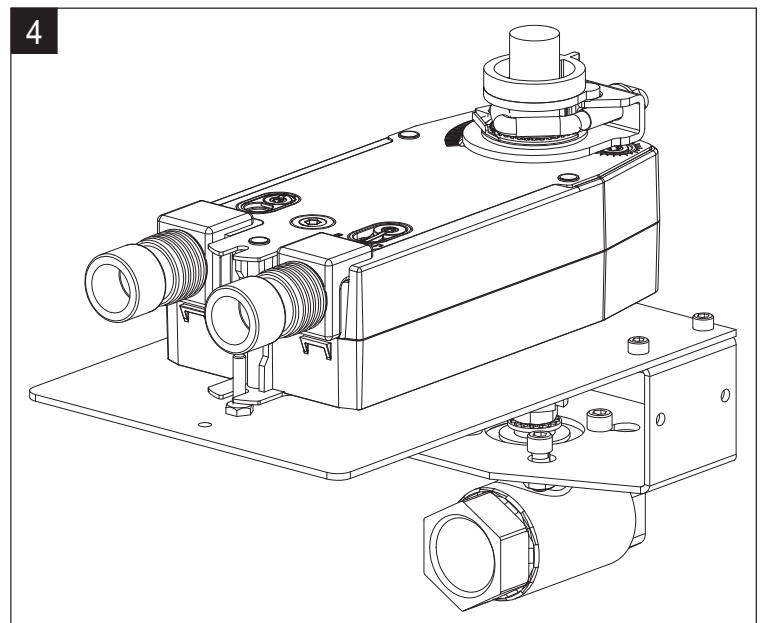
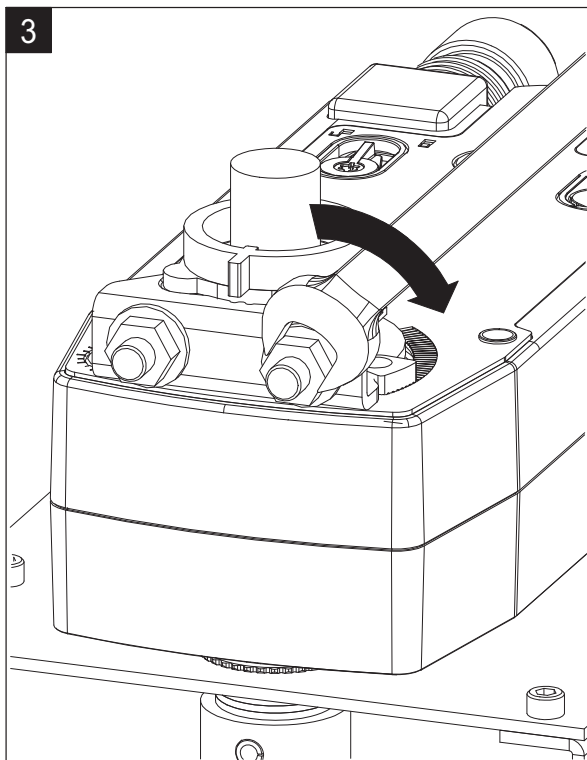
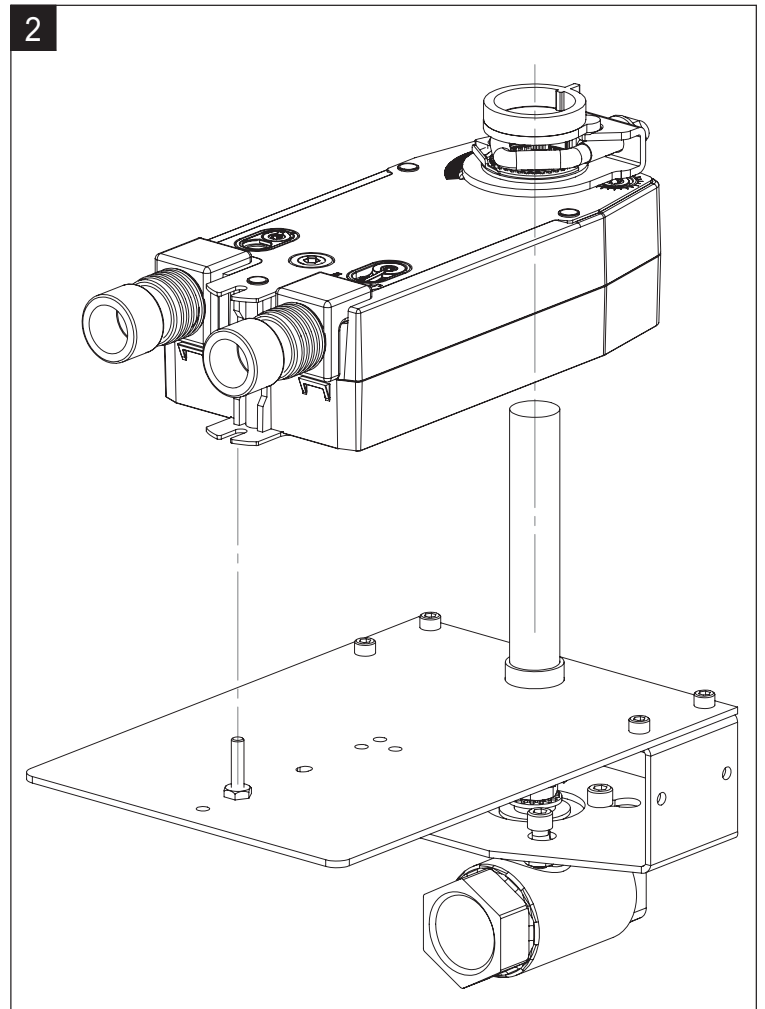
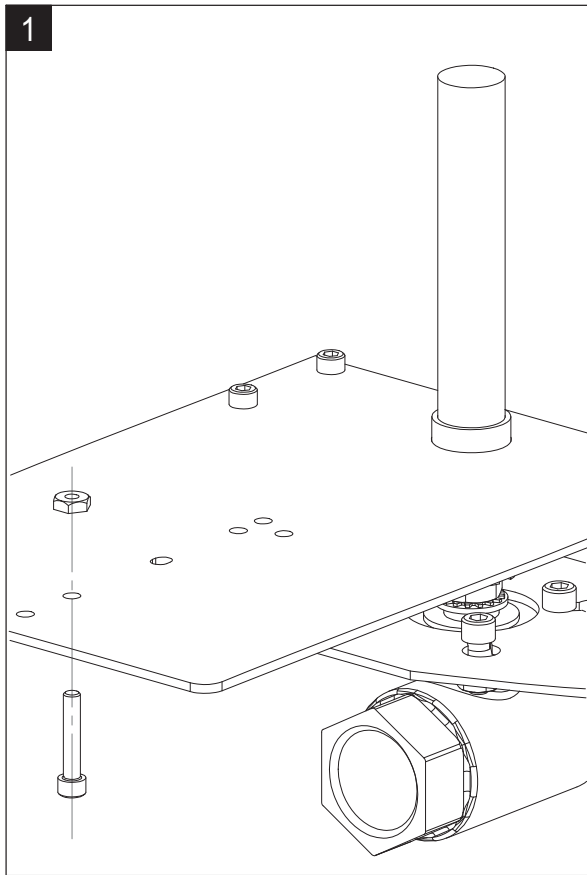
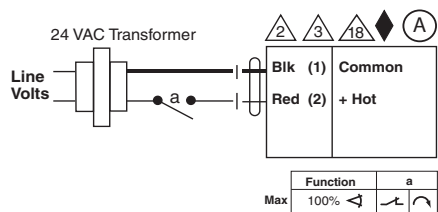


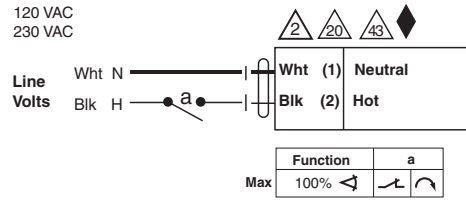
AF-X1 and NF-X1 Actuators with B2 VS Ball Valves



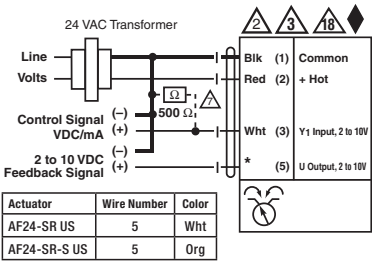
Spring Return Actuator with On/Off, Floating Point and -SR



On/Off

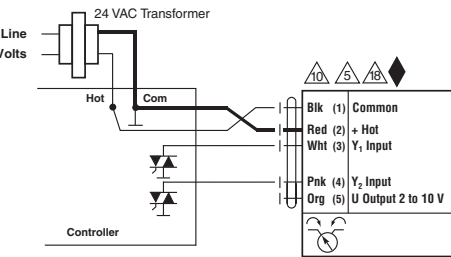


24 VAC up to 240 VAC

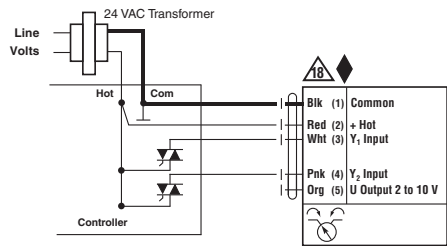


VDC / 4 to 20 mA

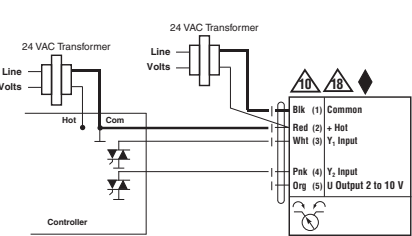
Spring Return Actuator with MFT



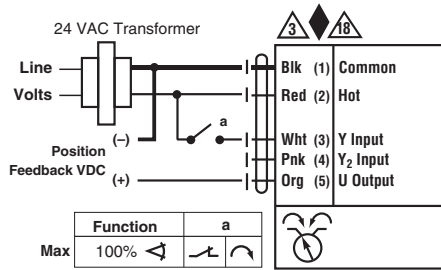
Triac Sink



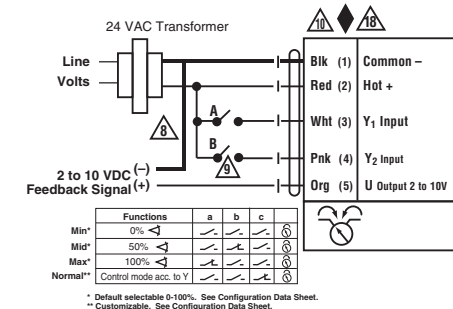
Triac Source



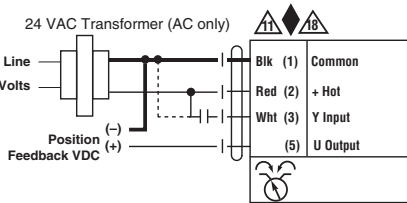
Triac Sink with Separate Transformer



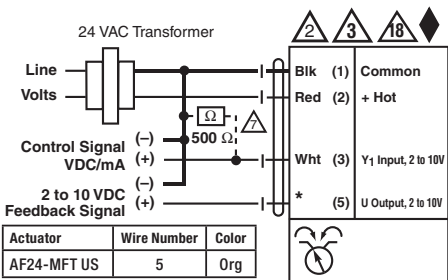
On/Off



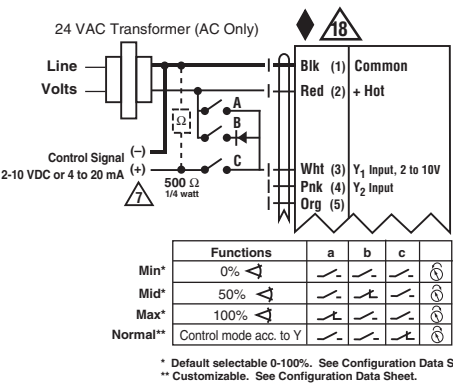
Floating Point



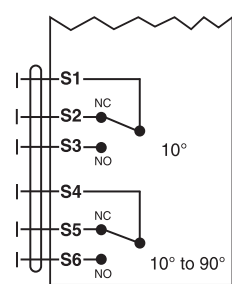
PWM



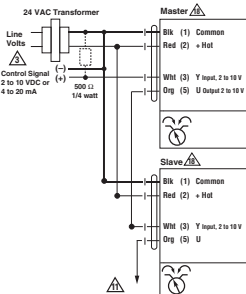
VDC / 4 to 20 mA



Override Control Min, Mid, Max Postions



Auxiliary Switches



VDC / 4 to 20 mA (Master/Slave)

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

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.



- **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.

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