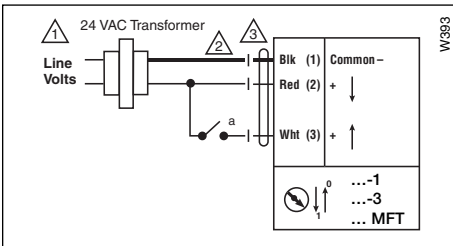
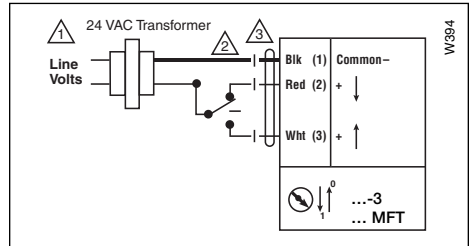


	Torque (based on 4 in-lb per sq. ft)				Running Time	Power Supply	Power Consumption		Feedback	
	22 lbf [100 N Force], 4 Stroke	34 lbf [150 N Force], 4/8/12 Stroke	44 lbf [200 N Force], 4 Stroke	101 lbf [450 N Force], 4/8/12 in Stroke.			VA rating	Wattage running (holding)	2-10 VDC (default)	VDC Variable (0 to 10 VDC)
Airside Products					Motor Drive (Default)	24 VAC +/- 20%, VDC +/- 15%				
On/Off, Floating Point	AHB24-3-100			●	150	●	4	2 (0.2)		
	AHX24-3-100			●	150	●	4	2 (0.2)		
	AHB24-3-200			●	150	●	4	2 (0.2)		
	AHX24-3-200			●	150	●	4	2 (0.2)		
	AHX24-3-300			●	150	●	4	2 (0.2)		
	LHB24-3-100	●			150	●	3	1.5 (0.5)		
	LHX24-3-100	●			150	●	3	1.5 (0.5)		
	LHB24-3-200	●			150	●	3	1.5 (0.5)		
2 to 10 VDC	LHX24-3-200	●			150	●	3	1.5 (0.5)		
	LHX24-3-300	●			150	●	3	1.5 (0.5)		
	AHB24-SR-100			●	150	●	4	2 (0.2)		
	AHX24-SR-100			●	150	●	4	2 (0.2)	●	●
	AHB24-SR-200			●	150	●	4	2 (0.2)		
	AHX24-SR-200			●	150	●	4	2 (0.2)	●	●
	LHB24-SR-100	●			150	●	3	1.5 (0.5)		
	LHX24-SR-100	●			150	●	3	1.5 (0.5)		
MFT	LHB24-SR-200	●			150	●	3	1.5 (0.5)	●	●
	LHX24-SR-200	●			150	●	3	1.5 (0.5)	●	●
	AHX24-MFT-100			●	150	●	4	3 (1)	●	●
	AHX24-MFT-200			●	150	●	4	3 (1)	●	●
	AHX24-MFT-300			●	150	●	4	3 (1)	●	●
	LHX24-MFT-100	●			150	●	4	3 (1)	●	●
	LHX24-MFT-200	●			150	●	4	3 (1)	●	●
	LHX24-MFT-300	●			150	●	4	3 (1)	●	●
On/Off	AHQX24-MFT-100		●		7	●	18	12 (1.5)	●	●
	LHQX24-MFT-100	●			3.5	●	18	12 (1.5)	●	●
On/Off	AHQX24-1-100		●		7	●	18	12 (1.5)		
	LHQX24-1-100	●			3.5	●	18	12 (1.5)		

Wiring

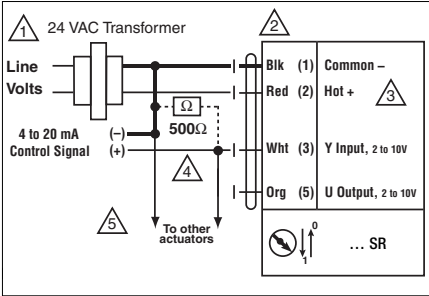


On/Off control



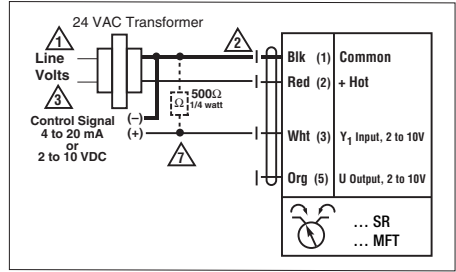
Floating Point or On/Off control

Wiring



W395

VDC/4-20 mA

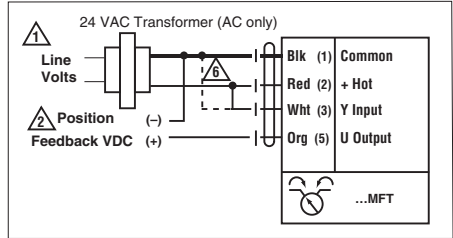


W399

Notes:

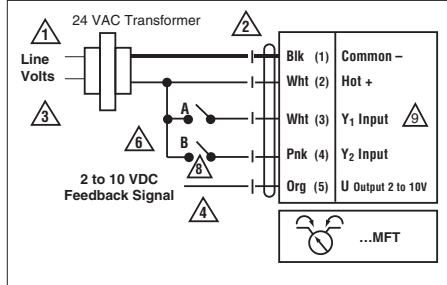
- 1 Provide overload protection and disconnect as required.
- 2 Actuators may be connected in parallel if not mechanically mounted to the same shaft. Power consumption and input impedance must be observed.
- 3 Actuator may also be powered by 24 VDC.
- 4 The ZG-R01 500Ω resistor converts the 4 to 20 mA control signal to 2 to 10 VDC, up to 2 actuators may be connected in parallel.
- 5 Only connect common to neg. (-) leg of control circuits.
- 6 Position feedback cannot be used with a Triac sink controller. The actuator internal common reference is not compatible.
- 7 Control signal may be pulsed from either the Hot (Source) or Common (Sink) 24 VAC line.
- 8 Contact closures A & B also can be triacs. A & B should both be closed for triac source and open for triac sink.
- 9 For triac sink the common connection from the actuator must be connected to the hot connection of the controller.

PWM



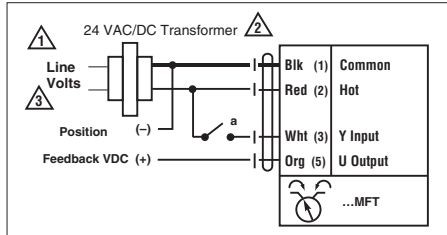
W399

Floating Point



W399

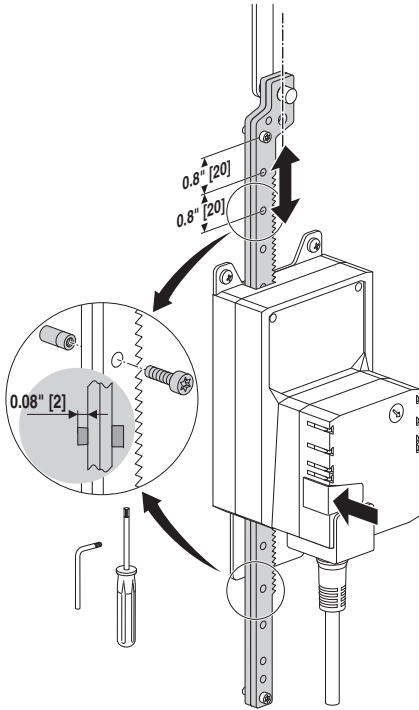
On/Off



W399

Mechanical Stroke Limitation (For '-3' and '-MFT' Models)

The adjustable stops are needed when there is no damper stop or if you want the damper to stop before it reaches its stops. The non-spring return actuators can be indefinitely stalled in any position without harm.



Manual Override

The Belimo non-spring return actuators have a black, "manual override button" located on the top of the housing. Press this button and the gear train is disengaged so the damper shaft can be moved manually. Release the button and the gear train is re-engaged.

Use the manual override to test the installation without power.

