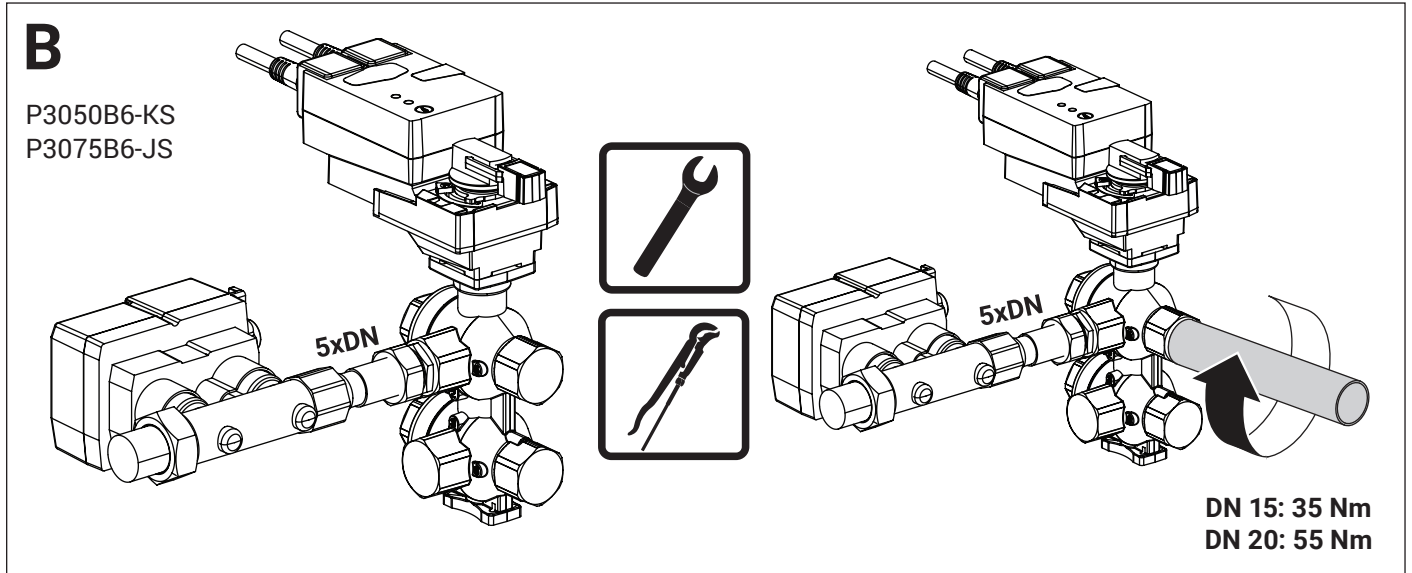
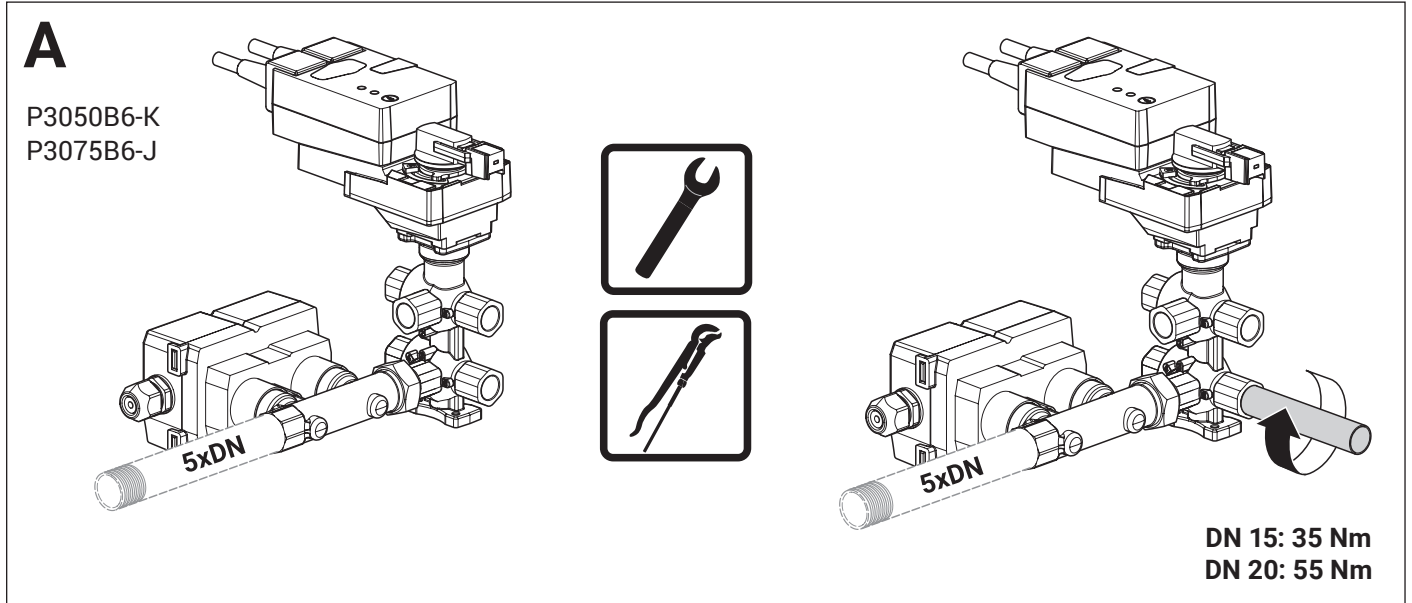
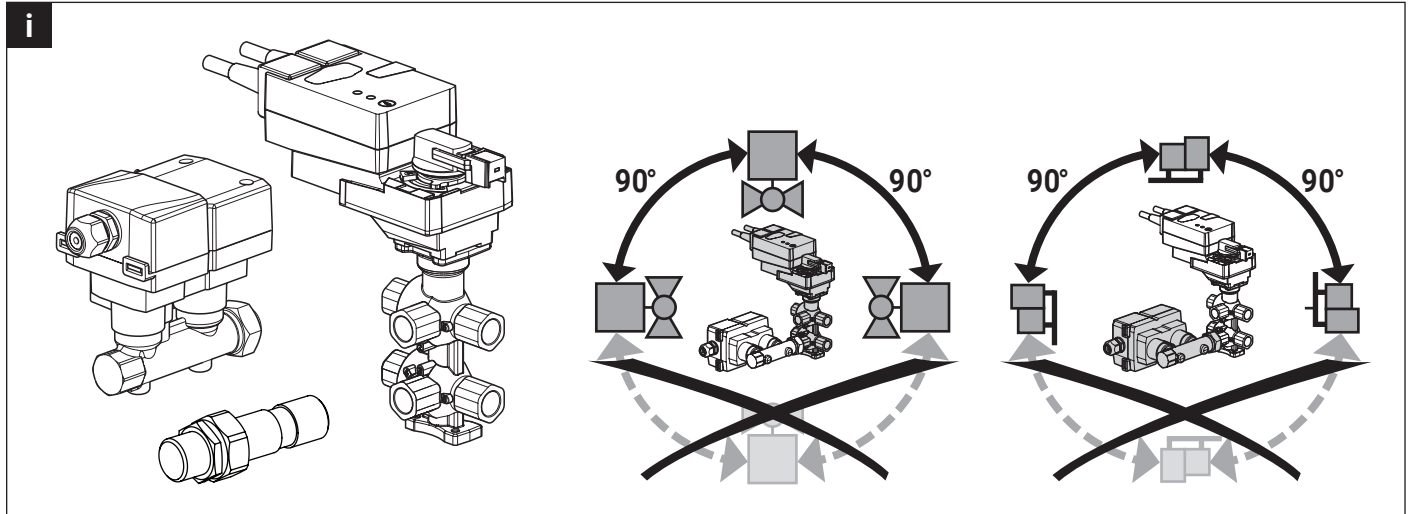
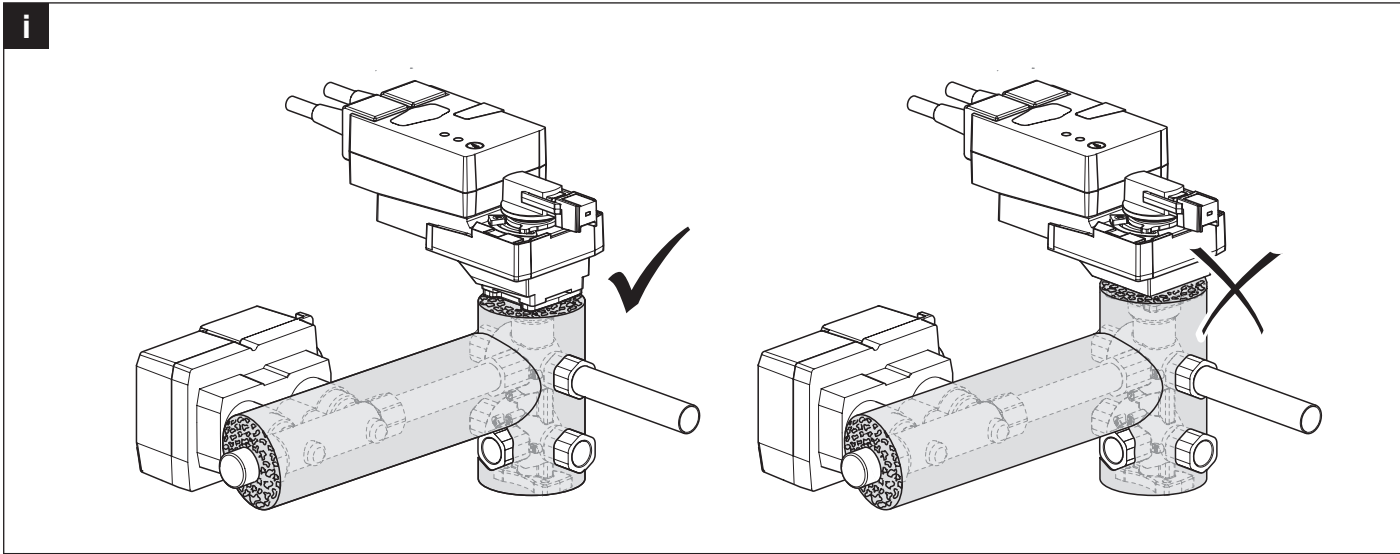


# LR Actuators with 6-Way Electronic Pressure Independent Characterized Control Valves

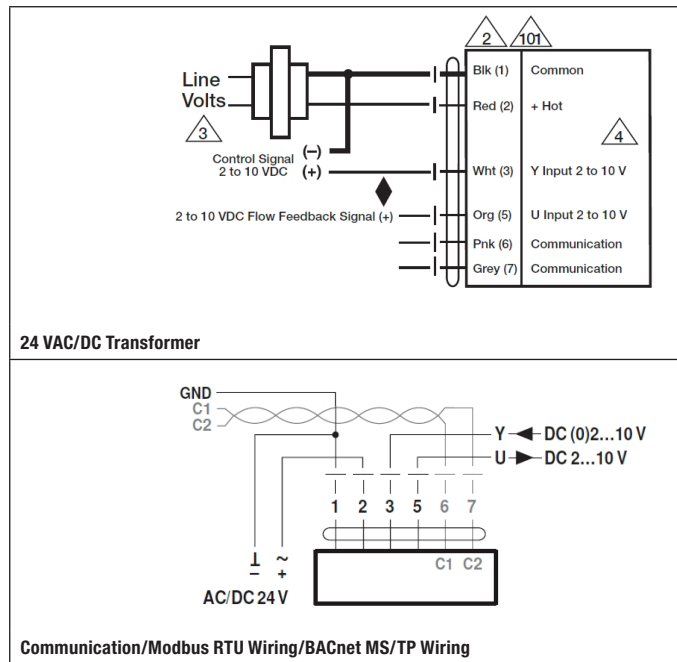


# LR Actuators with 6-Way Electronic Pressure Independent Characterized Control Valves



Technical Data	
Power Supply	24 VAC ± 20%, 50/60 Hz, 24 VDC ± 10%
Power Consumption Running	3.5 W
Transformer Sizing	6 VA (class 2 power source)
Electrical Connection	3ft [1m], 18 GA plenum cable with 1/2" conduit connector
Overload Protection	electronic throughout 0° to 90° rotation
Operating Range Y	2 to 10 VDC (default)
Input Impedance	100 kΩ (0.1 mA)
Feedback Output U	2 to 10 VDC (default)
Angle of Rotation	90°
Position Indication	integrated into handle
Manual Override	external push button
Running Time (Motor)	90 sec
Ambient Humidity	5 to 95% RH non condensing (EN 60730-1)
Ambient Temperature Range	-22°F to 122°F [-30°C to 50°C]
Storage Temperature Range	-40°F to 176°F [-40°C to 80°C]
Housing	NEMA 2, IP54
Housing Material	UL94-5VA
Agency Listings†	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2004/108/EC and 2006/95/EC
Noise Level (Motor)	max. 35 dB (A)
Servicing	maintenance free
Quality Standard	ISO 9001
Weight	1.5 lb [0.7 kg]
Communication	BACnet MS/TP, Modbus RTU, Belimo MP Bus

†Rated Impulse Voltage 800V, Type action 1.B, Control Pollution Degree 3.



### Wiring Diagrams

#### INSTALLATION NOTES

- ⚠ Provide overload protection and disconnect as required.
- ② Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- ④ Actuators are provided with color coded wires. Wire numbers are provided for reference.
- ⑩ NFC
- ◆ Meets cULus requirements without the need of an electrical ground connection.
- ⚠ **WARNING! LIVE ELECTRICAL COMPONENTS!** During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. Have a qualified licensed electrician or other individual who has been properly trained in handling live electrical components perform these tasks. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.