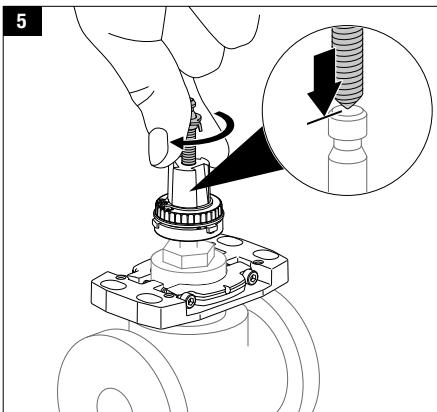
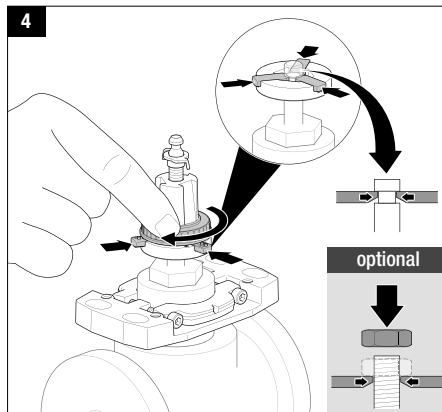
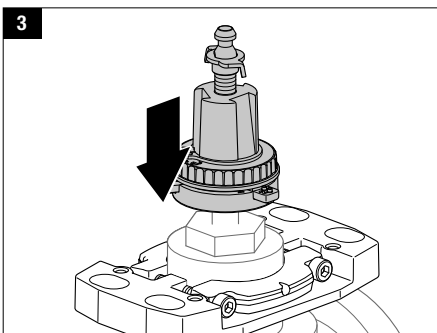
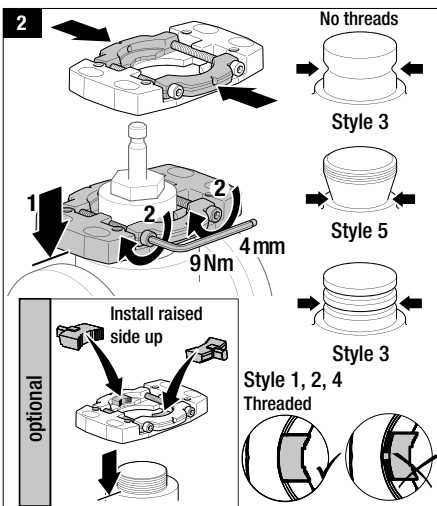
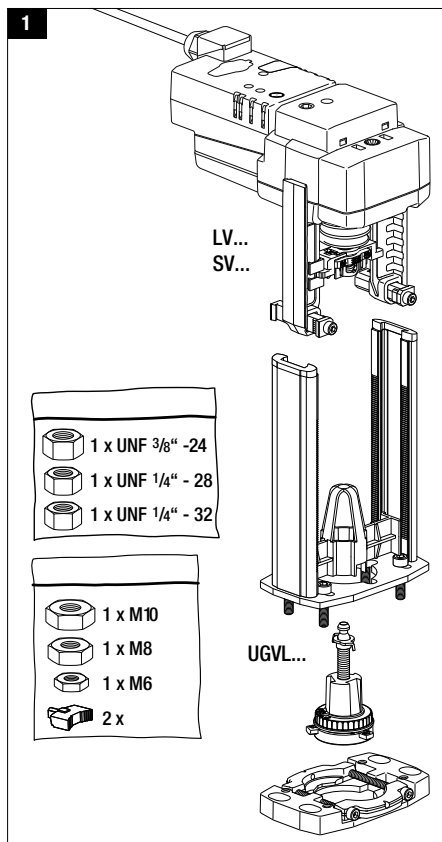


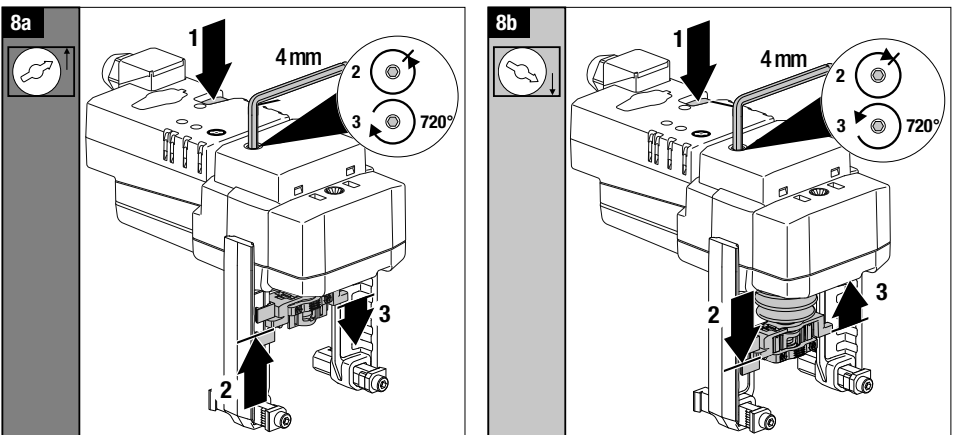
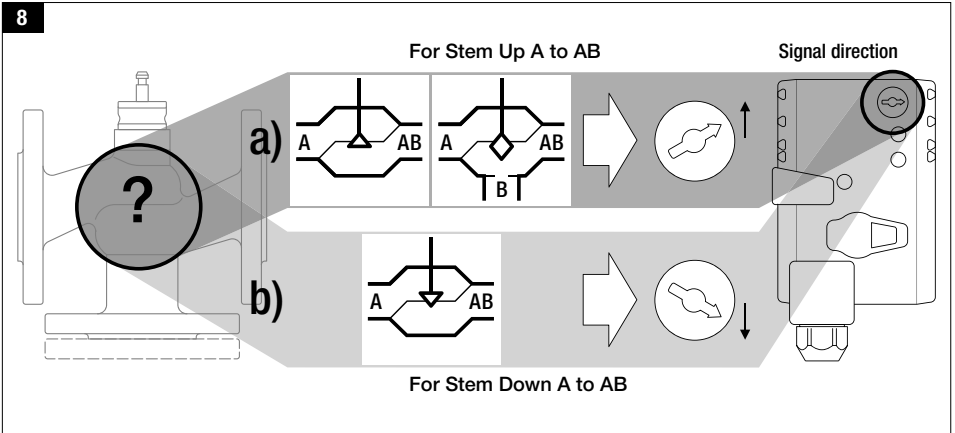
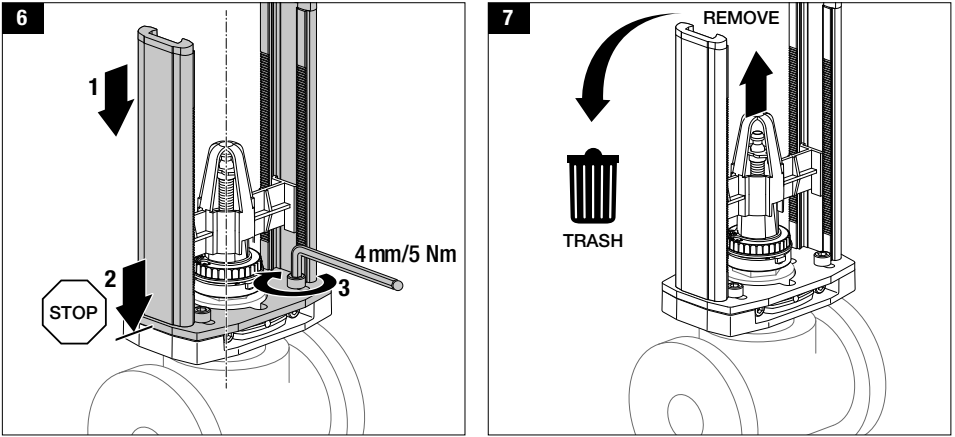
QUICK MOUNT VISUAL INSTRUCTION MANUAL

UGVL Linkage with LV and SV Series Actuators

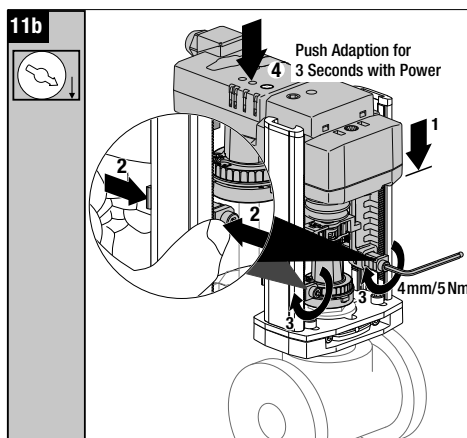
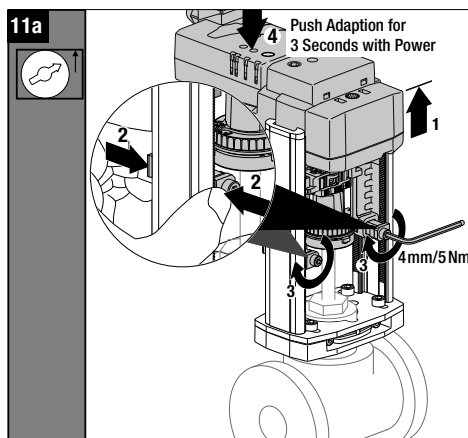
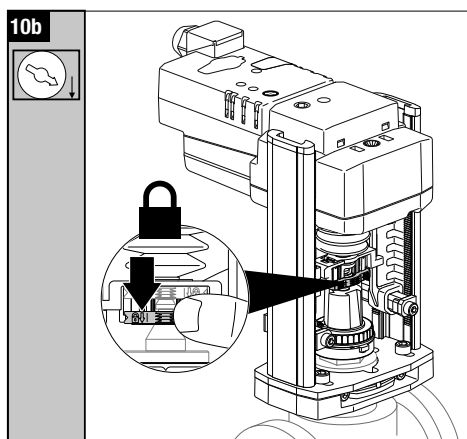
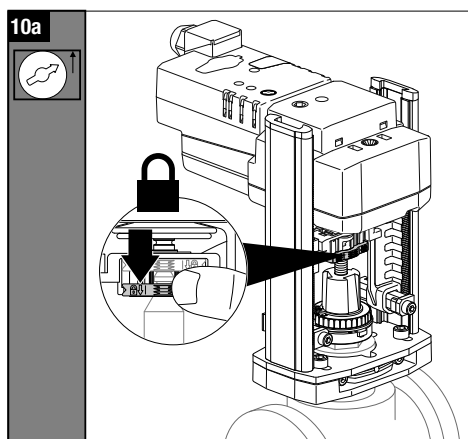
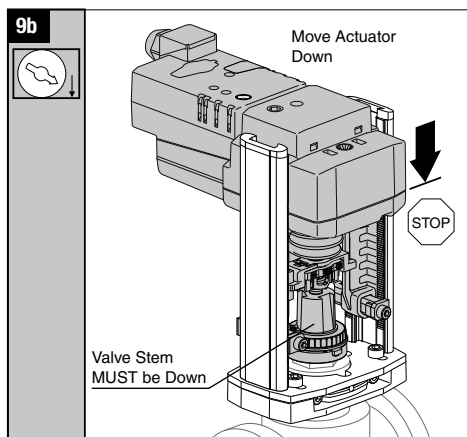
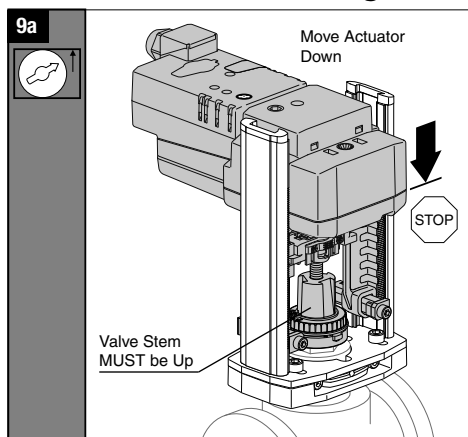


View the installation video for UGVL on Belimo's YouTube channel:
<https://youtu.be/LAwPDb15FYE>

UGVL Linkage with LV and SV Series Actuators



UGVL Linkage with LV and SV Series Actuators

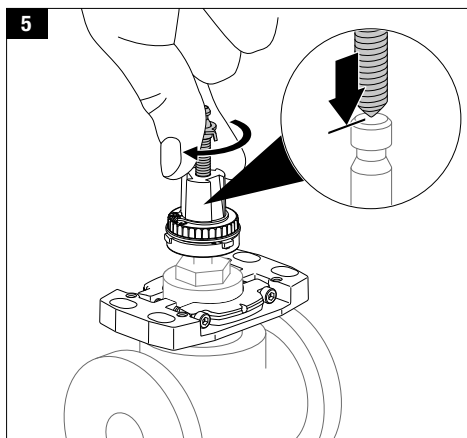
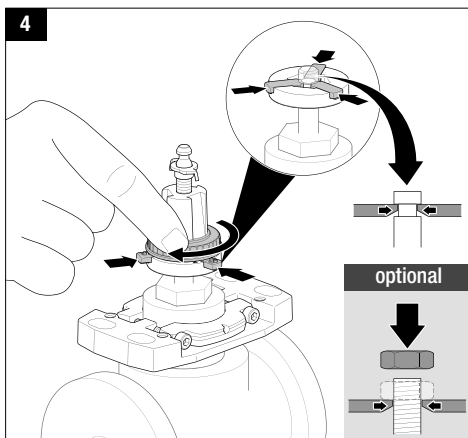
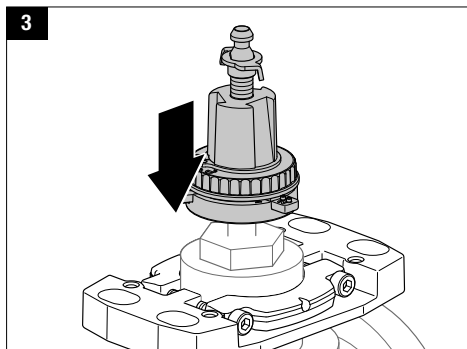
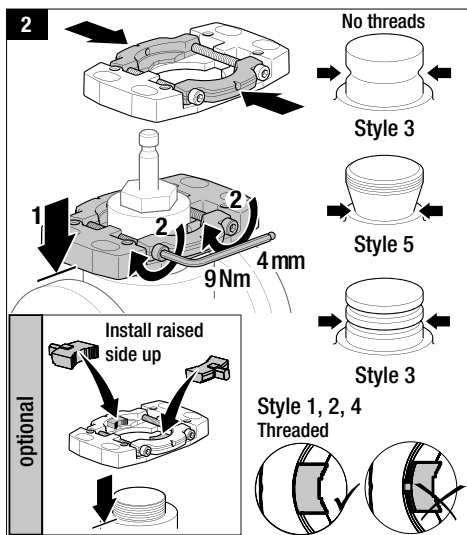
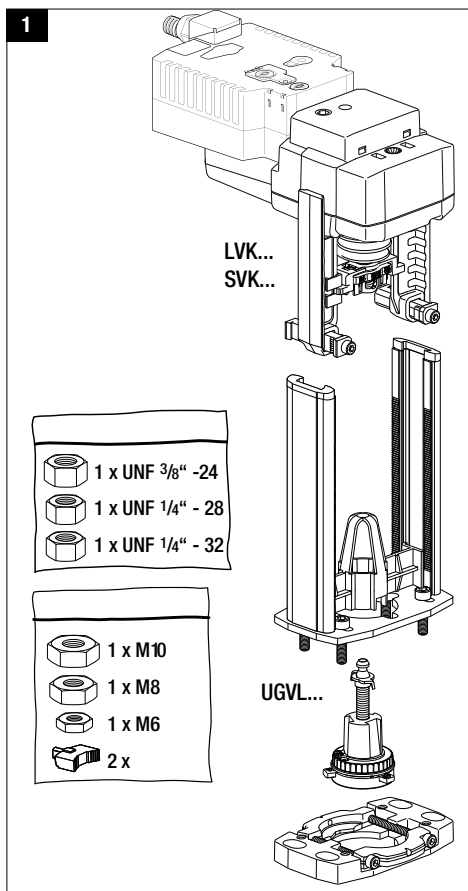


UGVL Linkage with LV and SV Series Actuators

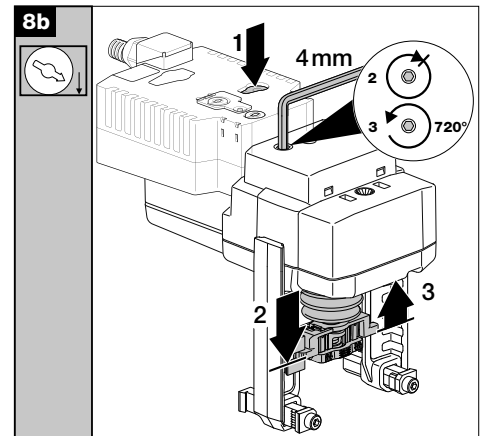
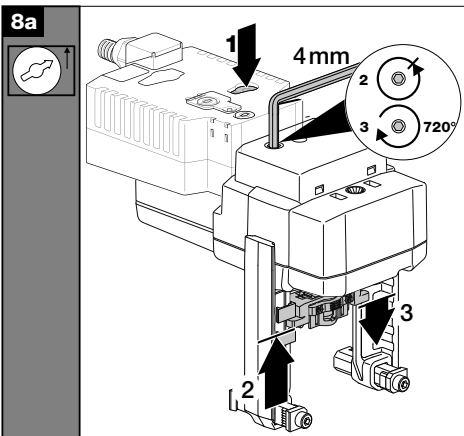
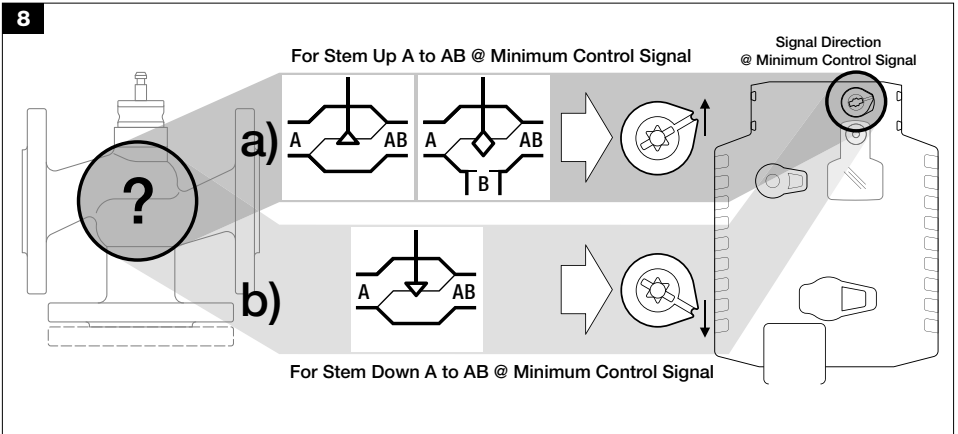
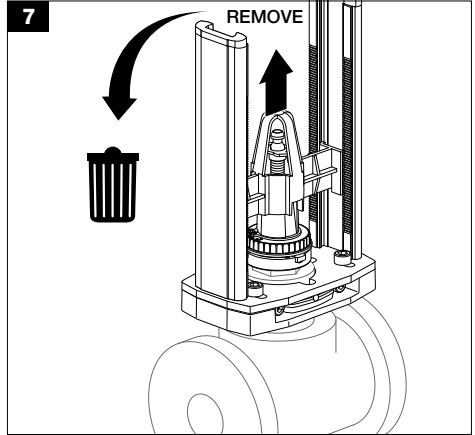
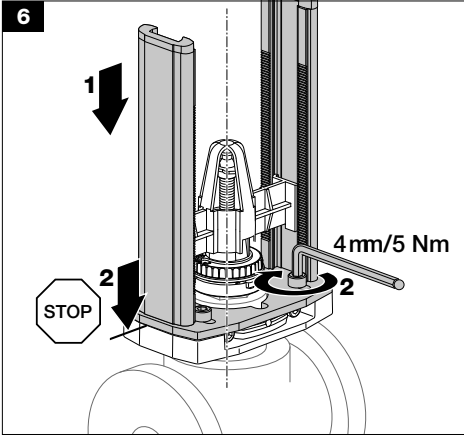
WIRING DIAGRAMS

Non-Spring Return Actuator with -3		Non-Spring Return Actuator with -SR	
24 VAC Transformer On/Off	24 VAC Transformer Floating Point	24 VAC Transformer VDC / 4 to 20 mA	BRN Brown BLU Blue ORG Orange PNK Pink WHT White RED Red BLK Black MARR Maroon AZL Azul ROS Rosado BLC Blanco BRN Brun BRN Marrom ANR Anaranjado ORR Orange CRD Cor-de-ros VER Vermelho
24 VAC Transformer (AC only) Triac Sink	24 VAC Transformer (AC only) Triac Source	Selector Switch	
24 VAC Transformer On/Off	24 VAC Transformer Floating Point	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. - IN4004 or IN4007 diode. (IN4007 supplied, Belimo Part number 40155) - Actuators with plenum rated cable do not have numbers on wires; use color codes instead.	
24 VAC Transformer VDC / 4 to 20 mA	24 VAC Transformer (AC Only) Override Control Min, Mid, Max Postions		

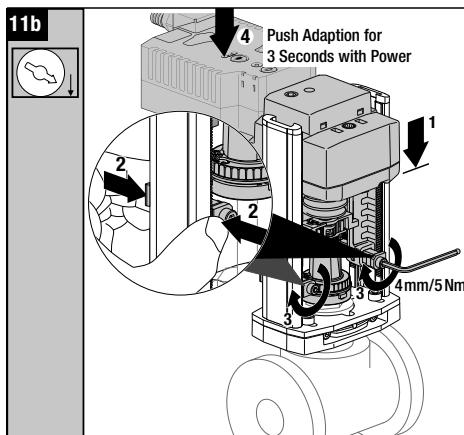
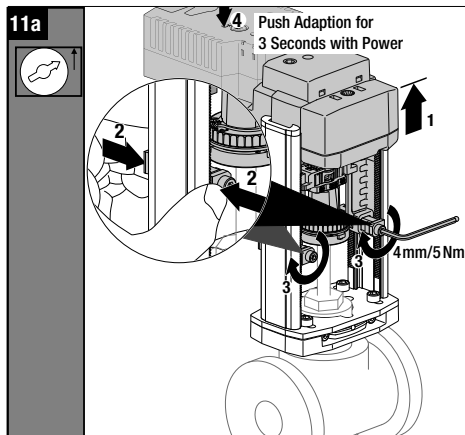
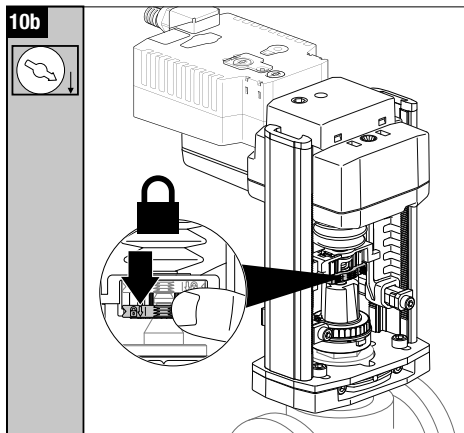
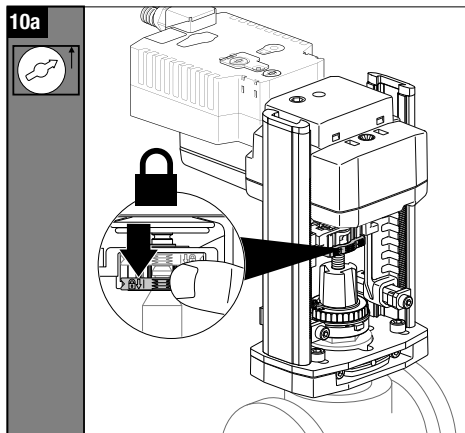
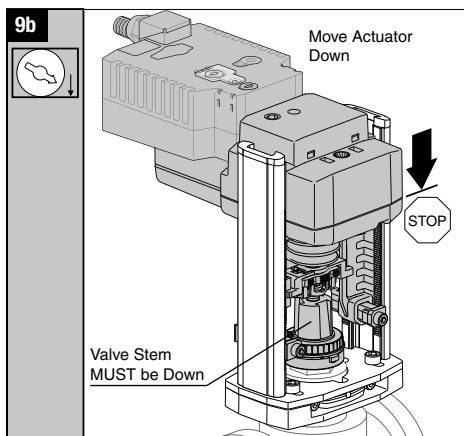
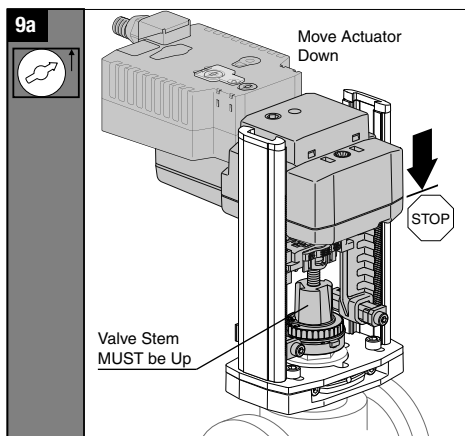
UGVL Linkage with LVK and SVK Series Actuators



UGVL Linkage with LVK and SVK Series Actuators



UGVL Linkage with LVK and SVK Series Actuators



UGVL Linkage with LVK and SVK Series Actuators

WIRING DIAGRAMS

Electronic Fail-Safe Actuator with -3		Electronic Fail-Safe Actuator with -SR																																	
24 VAC Transformer Line Volts Blk (1) Common - Red (2) Hot + Wht (3) Y Input ↓ Pink (4) Y Input ↓ On/Off	24 VAC Transformer Line Volts Blk (1) Common - Red (2) Hot + Wht (3) Y Input ↓ Pink (4) Y Input ↓ Floating Point	24 VAC Transformer Line Volts Blk (1) Common - Red (2) Hot + Wht (3) Y Input ↓ Pink (4) Y Input ↓ VDC / 4 to 20 mA	Signal Direction Fail Position																																
100 to 240 VAC Line N L1 Hot H L2 Blk (1) Common - Red (2) Hot + Wht (3) Y Input ↓ Pink (4) Y Input ↓ On/Off	100 to 240 VAC Line N L1 Hot H L2 Blk (1) Common - Red (2) Hot + Wht (3) Y Input ↓ Pink (4) Y Input ↓ Floating Point	24 VAC Transformer Line Volts Blk (1) Common - Red (2) Hot + Wht (3) Y Input ↓ Pink (4) Y Input ↓ Selector Switches	Selector Switches																																
24 VAC Transformer Line Volts Blk (1) Common - Red (2) Hot + Wht (3) Y Input ↓ Pink (4) Y Input ↓ Triac Sink	24 VAC Transformer Line Volts Blk (1) Common - Red (2) Hot + Wht (3) Y Input ↓ Pink (4) Y Input ↓ Triac Source	24 VAC Transformer Line Volts Blk (1) Common - Red (2) Hot + Wht (3) Y Input ↓ Pink (4) Y Input ↓ Triac Sink with Separate Transformer	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. - IN4004 or IN4007 diode. (IN4007 supplied, Belimo Part number 40155) - Actuators with plenum rated cable do not have numbers on wires; use color codes instead. <table border="1"> <thead> <tr> <th>Color</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>BRN</td> <td>Brown</td> </tr> <tr> <td>BLU</td> <td>Blue</td> </tr> <tr> <td>ORG</td> <td>Orange</td> </tr> <tr> <td>PRK</td> <td>Pink</td> </tr> <tr> <td>WHT</td> <td>White</td> </tr> <tr> <td>RED</td> <td>Red</td> </tr> <tr> <td>BLK</td> <td>Black</td> </tr> </tbody> </table>	Color	Code	BRN	Brown	BLU	Blue	ORG	Orange	PRK	Pink	WHT	White	RED	Red	BLK	Black																
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