Type SLR with Mechanical Switches

(SLR14_ _ _, SLR16_ _ _, SLR17_ _ _)

Publ #105097revUKA

Installation & Adjusting Instructions

Mounting to Namur Style Actuator

1. Attach mounting plate to monitor using fasteners and lockwashers provided.
2. Align namur shaft so that it fits in the groove on the top of the actuator shaft.
3. Attach mounting plate to actuator using fasteners and lockwashers provided.
4. Operate actuator to full open and full closed positions to check for proper coupling alignment. Eccentricity of shaft must be no greater than 1/4 mm from centerline. Adjust if necessary and snug-down adjustment bolts tightly.

Mounting to Non-Namur Actuator

1. Attach mounting plate to monitor using fasteners and lockwashers provided.
2. Remove spacer screw and attach spring torque coupler or drive block to the shaft with spacer screw or screw provided with mounting kit. Align drive block or spring torque coupler with mating shaft and lower until the mounting bracket meets its mating surface. Ensure the coupler or drive block have fully engaged the output shaft of the device to be monitored.
3. Attach mounting plate to actuator using fasteners and lockwashers provided.
4. Operate actuator to full open and full closed positions to check for proper coupling alignment. Eccentricity of shaft must be no greater than 1/4 mm from centerline. Adjust if necessary and snug-down adjustment bolts tightly.

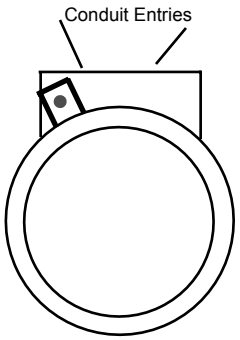
Visual Indicator Adjustment

5. Remove cover from unit. Lift indicator drum to disengage from splined drive. Rotate indicator until it reaches the desired position. Slide indicator drum onto splined drive to re-engage. Replace the cover.

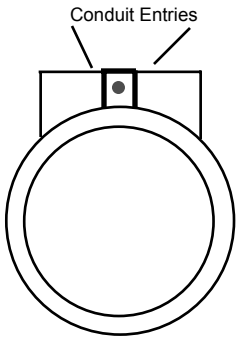
Touch & Tune Switch Setting

6. Lift bottom cam and rotate until switch is activated. Release cam and be sure it slides fully onto spline.

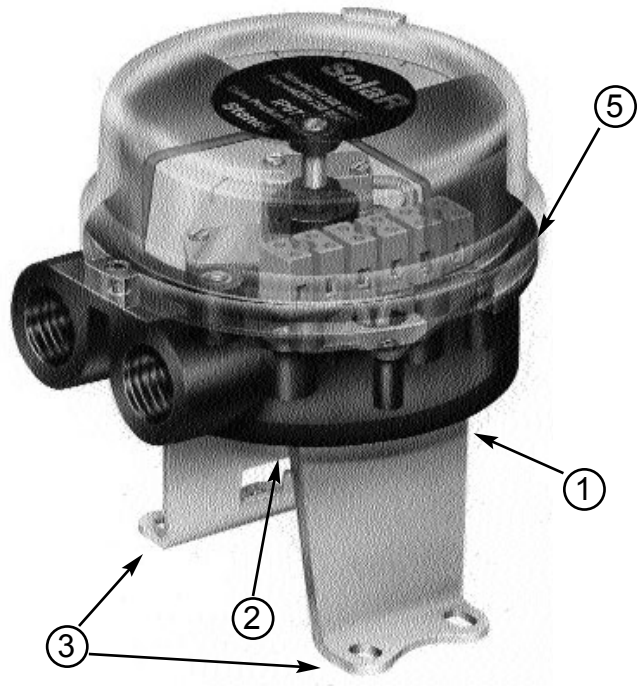
6a. Operate actuator to opposite position, push down on top cam and repeat process.



Cover Open Position **Diagram 1**



Cover Closed **Diagram 2**



Installing & Removing Cover

(Refer to Diagram 1 and 2 below)

The cover goes from open to full closed with a turn of about 25 degrees.

Removing the Cover

I. Loosen cover lock screw to where the bottom of the screw head is flush with top of the cover locking tab. This is the non-locking positon and the way it is shipped from the factory.

II. Remove the cover by turning it approximately 25 degrees counterclockwise until it hits the stop and lift the cover off.

Replacing the Cover

I. The cover O'Ring **must** be in place on the housing body.

II. Place the cover on the housing with the cover locking tab 25 degrees counterclockwise from the hole between the conduit entries (see diagram 1). The cover will fit properly on the housing **only** in this position.

III. Twist the cover 25 degrees clockwise until the cover locking screw is directly over the hole between the conduit entries (see diagram 2).

IV. To insure the IP67 enclosure rating the cover **must be** completely closed and the O'Ring sealed to keep out water. This is acheived when the cover is closed and locking screw can be easily screwed in until the top of the screw head is flush with the top of the cover locking tab. Check the cover O'Ring to make sure it is in place and not buckled.

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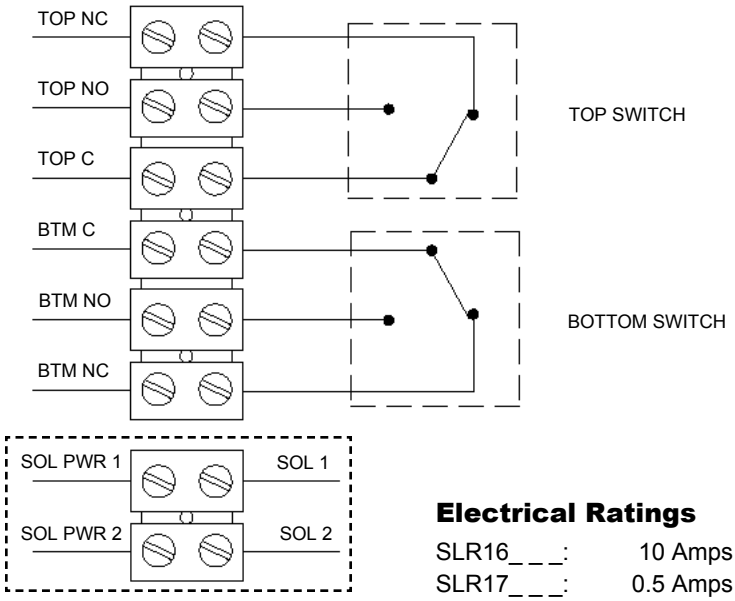
Wiring Diagrams

2 SPDT Switches (SLR16___, SLR17___)

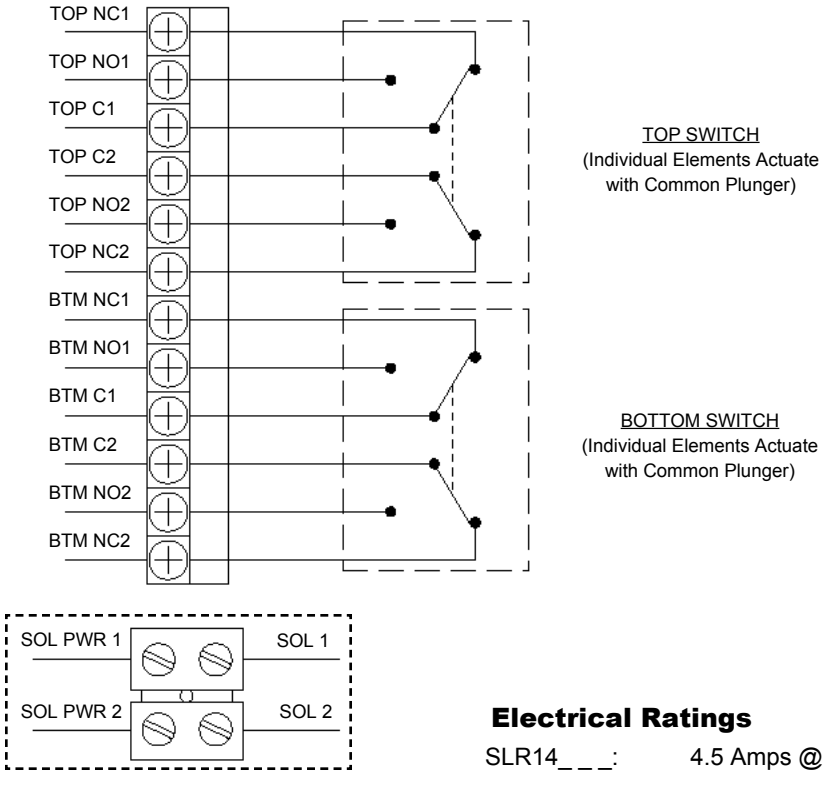


Additional 2-Pole Terminal Block
Provided in Unit

Electrical Ratings

SLR16_ _ _: 10 Amps @ 125/250 VAC
SLR17_ _ _: 0.5 Amps @ 30 VDC

2 DPDT Switches (SLR14___)



Additional 2-Pole Terminal Block
Provided in Unit

Electrical Ratings

SLR14_ _ _: 4.5 Amps @ 125/250 VAC