

## SP101 AND SP105 SWITCH PACKAGE FOR COMMERCIAL CONTROL DAMPERS

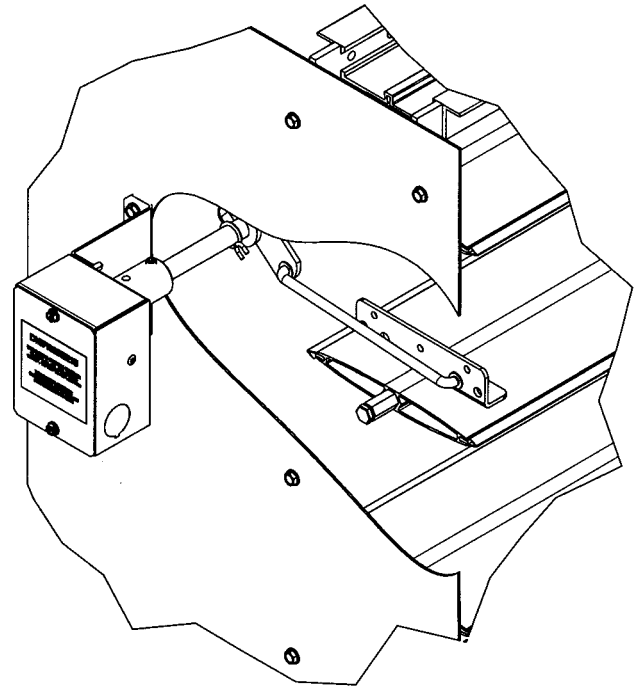
### APPLICATION

The direct coupled SP101 and SP105 switch packages used on control dampers, provide the ability to remotely indicate blade position. Electrical interface with remote control on/off fan stations is also possible with the SP101 or SP105. The SP101 is designed for 1" (25) diameter operating shafts, whereas the SP105 is designed for 1/2" (13) diameter operating shafts. The SP101 and SP105 when shipped loose are supplied with all necessary parts for field mounting. Refer to installation instructions for proper field mounting.

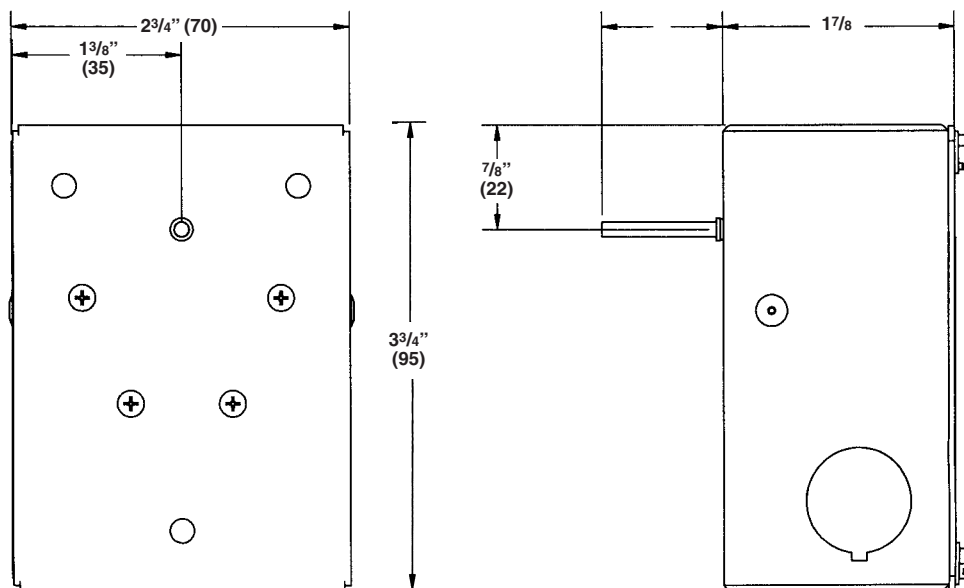
### OPERATION

The SP101/105 switch package consists of a switch box containing two damper position indicator switches. One switch closes when the blades are fully open and the second switch closes when the blades are fully closed. The switches positively communicate to a remote monitoring station.

Refer to the appropriate damper installation instructions for details on damper installation. All electrical wiring and connections to the SP101/105 must be in accordance with the National Electric code and the local authority with jurisdiction.

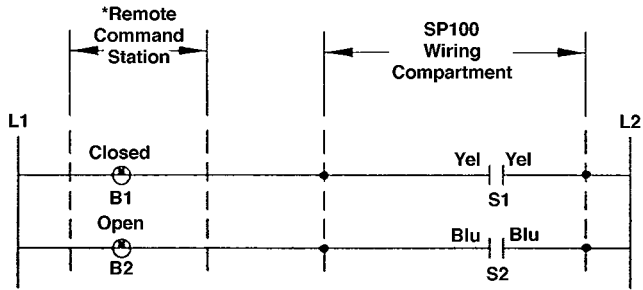


### SP101/105 DIMENSIONS



Dimensions shown in parentheses ( ) indicate millimeters.

## SP101 or 105 WIRING



**RIGHT HAND MOUNT**  
(Shown with S1 wired to closed indicator lamp)

- S<sub>1</sub> – Damper position indicator switch. Closed (makes) when damper is open.
  - S<sub>2</sub> – Damper position indicator switch. Closed (makes) when damper is closed.
  - B<sub>1</sub> – Remote position indicator lamp.
  - B<sub>2</sub> – Remote position indicator lamp.
- \*Remote command station is provided by others.

## SP101 or 105 LAYOUT

### MICRO SWITCH SPECIFICATIONS

High temperature to 302°F (150°C)

Single pole, double throw

AMP Ratings:

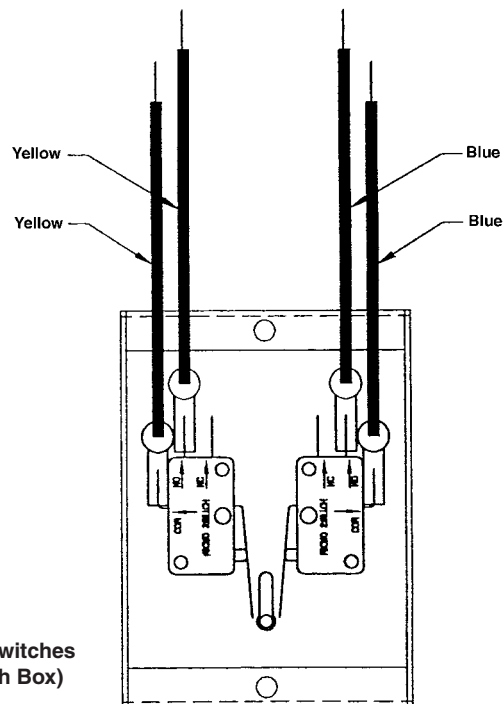
15 AMPS, 1/3 HP, 125 or 250 VAC

1/2 AMP, 125 VDC, 1/4 AMP, 250 VDC

5 AMPS, 120 VAC "L" (Lamp Load)

24 VDC, 1.5 AMPS

24 VAC, 10 AMPS



**SP101 or 105 Indicator Switches**  
(contained within Switch Box)