

## SP100 AND SP100FK SWITCH PACKAGE

### APPLICATION

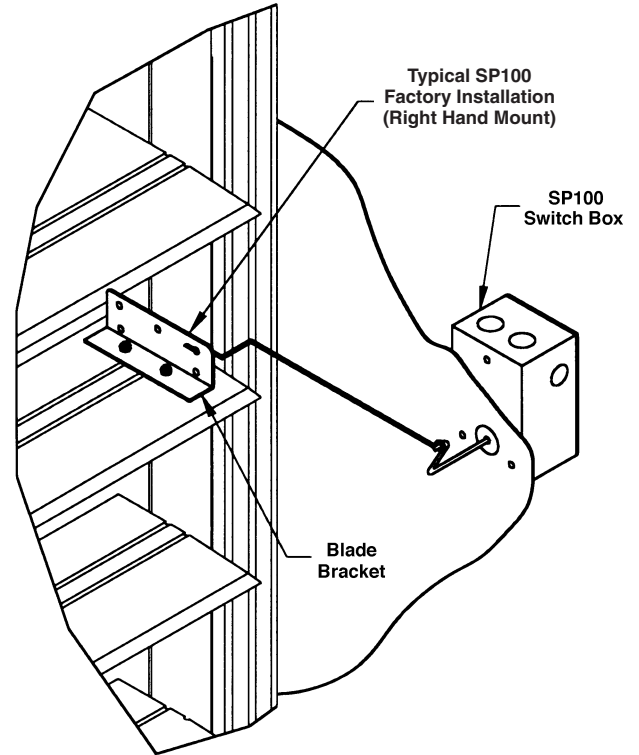
The **SP100** switch package used with a control damper, smoke damper or Fire/Smoke damper, provides the ability to remotely indicate blade position. Electrical interface with remote control on/off fan stations is also possible with the SP100.

The **SP100FK** is a parts kit that includes all the necessary parts and instructions to field install an SP100. Refer to the SP100 Switch Package Field Installation Instructions Supplement for parts list and installation instructions.

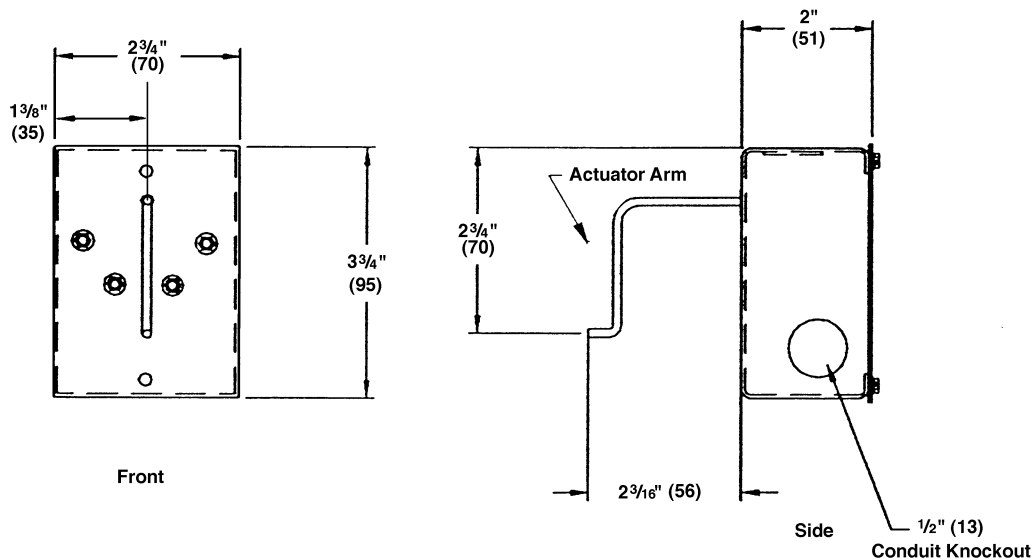
### OPERATION

The SP100 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 the fire commander the position of the blades when interfaced with the fire command center.

Refer to the appropriate damper installation instructions for details on damper installation. All electrical wiring and connections to the SP100 must be in accordance with the National Electric code and the local authority with jurisdiction.

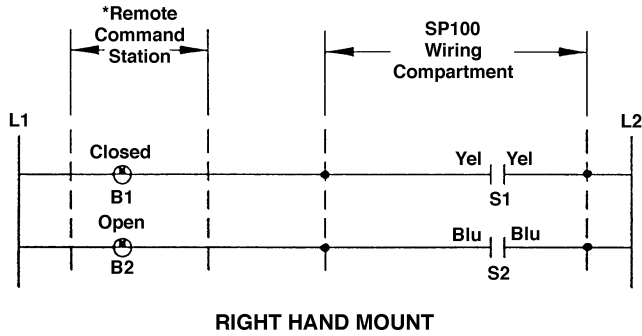


## SP100 DIMENSIONS



Dimensions shown in parentheses ( ) indicate millimeters.

## SP100 WIRING



- 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.

## SP100 LAYOUT

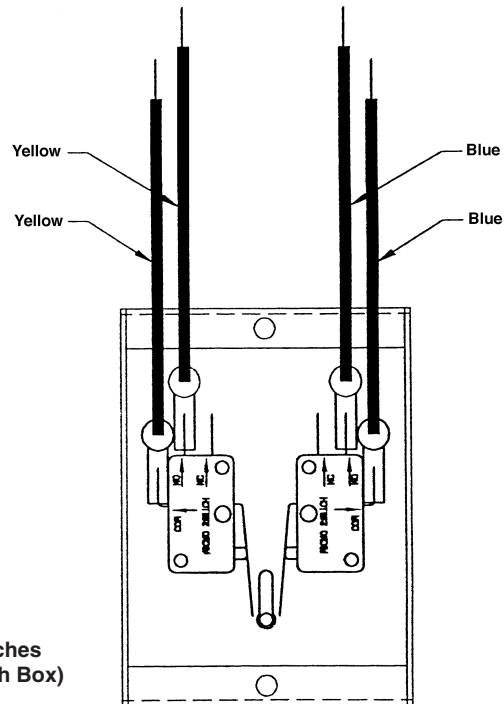
### MICRO SWITCH SPECIFICATIONS

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



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