



**POSITION INDICATOR PACKAGE**

FOR COMBINATION FIRE/SMOKE AND SMOKE DAMPERS  
FOR USE WITH BELIMO AND HONEYWELL ACTUATORS  
**MODEL: MLS-300**

**APPLICATION:**

When ordered with the MLS-300 Position Indicator Switch Pack, Nailor combination fire/smoke and smoke dampers that utilize factory installed Belimo or Honeywell fire/smoke actuators will be supplied as standard with an actuator that has an integral internal mounted switch pack. The auxiliary switches provide an on/off signal at two points in the actuator stroke and this signal can be routed to a Fire Fighter's Smoke Control Station for remote open/closed damper position status in Smoke Control Management Applications. Alternatively, they may be field wired to a local accessible damper control panel (Nailor DCP1 - DCP5). Both provide a means to cycle test the damper as part of a scheduled building maintenance program.

**ELECTRICAL SWITCH RATINGS:**

**Honeywell:**

**Models MS4104F1210, MS4109F1210, MS4604F1210, MS4609F1210:**

Ratings (maximum load): 120 VAC/24 VDC, 3A resistive

Settings (fixed): 7° nominal stroke, 85° nominal stroke

**Model MS8104F1210, MS8109F1210:**

Ratings (maximum load): 24 VAC/DC, 3A resistive

Settings (fixed): 7° nominal stroke, 85° nominal stroke

**Model MS4120F1204, MS4620F1203, MS8120F1200:**

Ratings (maximum load): 250 VAC, 5A resistive

Settings (fixed): 7° nominal stroke, 85° nominal stroke

**Belimo:**

**Model FSTF120-S, FSTF24-S, FSTF230-S:**

2 x SPST 3A resistive, 0.5A inductive @ 120 VAC,

Settings (fixed): One switch at 10°, one switch at 80°

**Models FSLF24-S, FSLF120-S, FSLF230-S:**

2 x SPST 3A resistive, 0.5A inductive @ 120/250 VAC,

1mA @ 5 VDC,

Settings (fixed): One switch at 10°, one switch at 85°

**Models FSNF24-S, FSNF120-S, FSNF230-S:**

2 x SPDT 7A resistive, 2.5A inductive @ 120/250 VAC,

Settings (fixed): One switch at 10°, one at 85°

**Model FSAFA24-S, FSAFA120-S, FSAF230A-S:**

2 x SPST 6A resistive, 2.5A inductive @ 120/250 VAC,

Settings (fixed): One switch fixed at 10°, one at 85°

**Model FSAFB24-SR-S:**

2 x SPST 3A resistive, 0.5A inductive @ 120/250 VAC,

Settings: One switch set at + 10°, one adjustable from 10° to 90°



Fig. 1 - Typical Honeywell Fire/Smoke Actuator with auxiliary switches (MLS-300)



Fig. 2 - Typical Belimo Fire/Smoke Actuator with auxiliary switches (MLS-300)

<b>SCHEDULE TYPE:</b>	Refer to manufacturer's submittal and installation and operating manual for complete details and wiring diagrams.			
<b>PROJECT:</b>				
<b>ENGINEER:</b>	<b>DATE</b>	<b>B SERIES</b>	<b>SUPERSEDES</b>	<b>DRAWING NO.</b>
<b>CONTRACTOR:</b>	10 - 18 - 23	FD - ACC	12 - 29 - 17	MLS-300-3