

*This top-of-the-line Ashcroft® process switch series includes many state-of-the-art features for safety and reliability in virtually all process applications.*

- Choice of watertight NEMA 4X or explosion-proof NEMA 7/9, IP55 enclosures
- Single or dual independently adjustable setpoints meet all setpoint requirements
- UL listings standard
- CSA listings available<sup>(6)</sup>

- Dual-chamber design for improved safety. Choice of switch elements for all applications, including hermetically sealed
- Fixed or fully adjustable deadband
- Readily available



### 1 - FUNCTION

- PTA** - Temperature control, single setpoint, adjustable deadband
- PTD** - Temperature control, two independently adjustable setpoints, fixed deadband
- PTS** - Temperature control, single setpoint, fixed deadband

### 2 - ENCLOSURE

- N4** - NEMA 4/4X, IP65  
(watertight and corrosion resistant)
- N7** - NEMA 7/9, IP65  
(explosion proof Div. 1 & 2)

### 3 - SWITCH ELEMENTS FOR PTA CONTROLS

Order Code	Description/Maximum Electrical Ratings UL/CSA listed SPDT
H	General purpose 10A, 125/250 Vac 1/2A, 125 Vdc 1/4A, 250 Vdc
J	Hermetically sealed switch, general purpose 11A, 125/250 Vac 5A, 30 Vdc

### SWITCH ELEMENTS FOR PTD & PTS CONTROLS

Code	Switch elements UL/CSA listed	
	Single (PS)	Dual (PD)
K <sup>(2)</sup>	KK	Narrow deadband 15A, 125/250 Vac
F <sup>(2)</sup>	FF	Sealed environment proof 15A, 125/250 Vac
G <sup>(3)</sup>	GG	General purpose 15A, 125/250/480 Vac 1/2A, 125 Vdc 1/4A, 250 Vdc
P <sup>(1)</sup>	PP	Hermetically sealed switch, narrow deadband 5A, 125/250 Vac
	JJ	Hermetically sealed switch, general purpose 11A, 125/250 Vac 5A, 30 Vdc

### 4 - LINE LENGTH SELECTION<sup>(4)</sup>

DIRECT MOUNT		
Order Code	Line Length ft	Style
00	Not Applicable	Rigid
REMOTE MOUNT		
05	5	Capillary
10	10	with
15	15	Armor
20	20	(Std.)
25	25	

### 5 - THERMAL SYSTEM SELECTION

LINE MATERIAL	
DIRECT MOUNT	
Order Code	Description
	No entry required for direct mount
REMOTE MOUNT	
A7	SS Armor (Std.)

### 6 - BULB LENGTH SELECTION<sup>(5)</sup>

DIRECT MOUNT		
Order Code	"S" Dimension	Minimum Thermowell "U" Dimension
027	2¾"	—
040	4"	2½"
060	6"	4½"
090	9"	7½"
120	12"	10½"
REMOTE MOUNT		
030	3"	2½"

### 7 - OPTIONS

See page 163-164

### 8 - STANDARD TEMPERATURE RANGES

See page 161

### NOTES:

1. Estimated dc rating, 2.5A, 28 Vdc (not UL listed).
2. Estimated dc rating, 0.4A, 120 Vdc (not UL listed).
3. Not UL listed at 480 Vac.
4. Additional line lengths available, call factory.
5. Additional bulb lengths available, call factory.
6. Refer to Option Table.

### TO ORDER THIS P-SERIES TEMPERATURE SWITCH:

**Select:** \_\_\_\_\_ **PTA N4 H 05 A7 030 XNH 150° to 260°F**

1. Function: \_\_\_\_\_
2. Enclosure: \_\_\_\_\_
3. Switch Element: \_\_\_\_\_
4. Line Length: \_\_\_\_\_
5. Thermal System: \_\_\_\_\_
6. Bulb Length: \_\_\_\_\_
7. Options (page 163-164): \_\_\_\_\_
8. Temperature Range (page 161): \_\_\_\_\_