



**Temperature Switches  
Explosion-Proof Enclosure,  
Type 700, B-Series**

*This broad Ashcroft® switch series ideal for use in virtually all process, industrial and OEM applications.*

- Explosion-proof NEMA 7/9, IP66 enclosures
- Choice of switch elements for all applications, including hermetically sealed

- Fixed or limited adjustable deadband
- Readily available
- UL listings standard
- CSA listings available<sup>(7)</sup>
- ATEX models available<sup>(7)</sup>

**1 - ENCLOSURE**

**T7** - Temperature switch, type 700, explosion proof enclosure meets Div. 1 & 2, NEMA 7/9, IP66 requirements

**2 - SWITCH ELEMENTS**

Order Code	Description/Maximum Electrical Ratings UL/CSA Listed SPDT	UL/CSA Listed SPDT <sup>(2)</sup>
20 <sup>(4)</sup>	Narrow deadband	15A, 125/250 Vac
21	Ammonia service	5A, 125/250 Vac
22 <sup>(3)</sup>	Hermetically sealed switch, narrow deadband	5A, 125/250 Vac
23	Heavy duty ac	20A, 125/250 Vac
24 <sup>(1)</sup>	General purpose	15A, 125/250/480 Vac 1/2A, 125 Vdc 1/4A, 250 Vdc
25	Heavy duty dc	10A, 125/ Vac or dc 1/8HP 125/ Vac or dc
26 <sup>(4)</sup>	Sealed environment proof	15A, 125/250 Vac
27	High temp. 300°F	15A, 125/250 Vac
31	Low level (gold) contacts	1A, 125/250 Vac
32	Hermetically sealed switch, general purpose	11A, 125/250 Vac 5A, 30 Vdc
50	Variable deadband	15A, 125/250 Vac
61 <sup>(4)</sup>	Dual narrow deadband	15A, 125/250 Vac
62 <sup>(4)</sup>	Dual narrow environment proof	15A, 125/250 Vac
63	Dual high temp. 300°F	15A, 125/250 Vac
64	Dual general purpose	15A, 125/250/480 Vac 1/2A, 125 Vdc 1/4A, 250 Vdc
65	Dual ammonia service	5A, 125/250/480
67 <sup>(3)</sup>	Hermetically sealed switch, narrow deadband	5A, 125/250 Vac
68	Dual hermetically sealed switch, general purpose	11A, 125/250 Vac 5A, 30 Vdc

**3 - THERMAL SYSTEM SELECTION<sup>(5)</sup>**

DIRECT MOUNT			
Order Code	System Material	Style	
TS	316 stainless steel	Rigid	
REMOTE MOUNT			
Order Code	System Material	Line Length	Style
T05	316 stainless steel	5'	Capillary
T10	316 stainless steel	10'	with
T15	316 stainless steel	15'	302 SS
T20	316 stainless steel	20'	Spring
T25	316 stainless steel	25'	Armor

**4 - BULB LENGTH SELECTION<sup>(6)</sup>**

DIRECT MOUNT		
Order Code	"S" Dimension	Minimum Thermowell "U" Dimension
027	2 3/4"	—
040	4"	2 1/2"
060	6"	4 1/2"
090	9"	7 1/2"
120	12"	10 1/2"

REMOTE MOUNT		
Order Code	"S" Dimension	Minimum Thermowell "U" Dimension
030	3"	2 1/2"

**5 - OPTIONS**

See pages 229-230

**6 - STANDARD TEMPERATURE RANGES**

See page 226

**NOTES:**

1. Standard switch.
2. Dual switches are 2 SPDT snap-action switches not independently adjustable.
3. Estimated dc rating, 2.5A, 28 Vdc (not UL listed).
4. Estimated dc rating, 0.4A, 120 Vdc (not UL listed).
5. Additional line lengths available, call factory.
6. Additional bulb lengths available, call factory.
7. Refer to Options Table.  
Switches calibrated at 70°F ambient reference.



**HERMETICALLY SEALED SWITCH**  
We recommend hermetically sealed switch elements for improved reliability. The hermetically sealed switch provides uncompromising contact protection in harsh or corrosive environments.

- Features:
- UL-recognized component, guide WSQ2, File E85076
  - All-stainless steel welded construction



**TO ORDER THIS B-SERIES TEMPERATURE SWITCH:**

Select: **T7 20 T05 030 XNH 150° to 260°F**

1. Enclosure: \_\_\_\_\_

2. Switch Element: \_\_\_\_\_

3. Thermal System: \_\_\_\_\_

4. Bulb Length: \_\_\_\_\_

5. Options (see pages 229-230): \_\_\_\_\_

6. Temperature Range (see page 226): \_\_\_\_\_