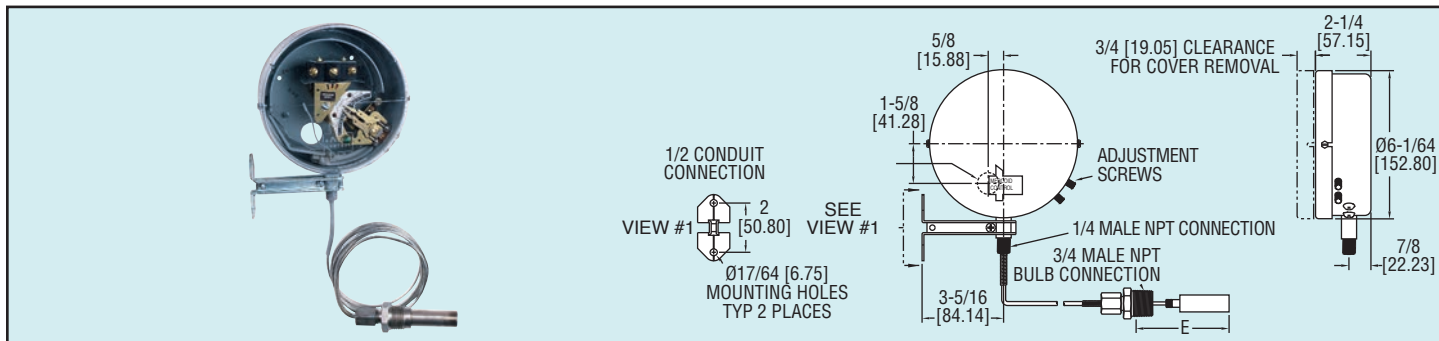




Series  
DA-7035N

# Temperature Switches

## Bulb and Capillary, Inert Gas Fill



**Series DA-7035N** temperature switches include the same time-proven switching mechanism used in our Series DA pressure switches. Bourdon tube assures high sensitivity and long life. Fully adjustable deadband makes units suitable for a wide range of control applications. Visible, calibrated dial and external adjustments make changing setpoints simple and fast.

| Model           | Range<br>°F (°C)           | Max.<br>Temp.<br>°F (°C) | Min.<br>Deadband<br>°F (°C) | Min. Insertion<br>Depth<br>“E” in. (mm) |
|-----------------|----------------------------|--------------------------|-----------------------------|-----------------------------------------|
| DA-7035-153-1N  | -60 to +30<br>(-50 to 0)   | 150 (65)                 | 23 (13)                     | 2-7/8 (73)                              |
| DA-7035-153-3N  | 0 to 100<br>(-18 to 40)    | 240 (115)                | 25 (14)                     | 2-7/8 (73)                              |
| DA-7035-153-4N  | 50 to 150<br>(10 to 65)    | 250 (120)                | 25 (14)                     | 2-7/8 (73)                              |
| DA-7035-153-5N  | 100 to 200<br>(40 to 95)   | 300 (150)                | 25 (14)                     | 2-7/8 (73)                              |
| DA-7035-153-7N  | 140 to 300<br>(60 to 150)  | 500 (260)                | 41 (23)                     | 2-7/8 (73)                              |
| DA-7035-153-8N  | 250 to 415<br>(120 to 215) | 550 (290)                | 42 (23)                     | 2-7/8 (73)                              |
| DA-7035-153-9N  | 350 to 550<br>(175 to 290) | 600 (315)                | 50 (28)                     | 4-7/8 (124)                             |
| DA-7035-153-10N | 100 to 300<br>(40 to 150)  | 500 (260)                | 50 (28)                     | 2-7/8 (73)                              |
| DA-7035-153-11N | 100 to 500<br>(40 to 260)  | 600 (315)                | 100 (56)                    | 2-7/8 (73)                              |

Insertion depth can be increased through use of bulb supports or wells. Consult factory.

### SPECIFICATIONS

**Service:** Compatible liquids or gases.

**Wetted Materials:** Bulb and connection: 304 SS.

**Temperature Limit:** Process: See model chart; Ambient: 180°F (82°C).

**Pressure Limit:** 300 psi (20.6 bar).

**Enclosure Rating:** General purpose. Optional weatherproof and explosion-proof.

**Repeatability:** ±1% of full-scale.

**Switch Type:** SPDT snap switch.

Optional DPDT snap and a variety of mercury switches.

**Electrical Rating:** 10A @ 120/240/480 VAC.

**Electrical Connections:** Screw terminal.

**Conduit Connection:** 7/8" (22.23 mm) hole for 1/2" (12.7 mm) conduit hub.

### FEATURES

- Adjustable deadband
- Snap action switch standard
- Inert gas activated Bourdon tube
- No cross ambient temperature effects
- No bulb elevation correction required
- Visible dial calibrated in both °F and °C
- Visible on/off indication

**Process Connection:** 3/4" male NPT. Other sizes available.

**Mounting Orientation:** Vertical and level.

**Set Point Adjustment:** External knobs for set point and reset point.

**Weight:** 5 lb (2.3 kg).

**Deadband:** Adjustable from minimum in model chart to full range. Optional low fixed deadband.

**Capillary:** 6 ft (1.8 m) standard. Ranges 1N to 7N, and 10N: copper. Ranges 8N, 9N, 11N: 304 SS.

**Set Point Scale:** Indication in °F and °C.

**Options:** See switch type, see enclosures, fixed deadband, longer or shorter capillary, armored capillary, wells, two stage, 1/2" or 1" connection sizes, manual reset, and other bulb styles.

TEMPERATURE

Temperature Switches,  
Mechanical