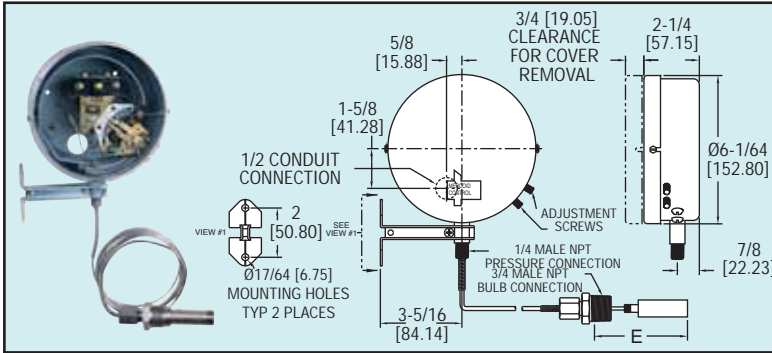




# Series DA-7035N Temperature Switches

## Bulb and Capillary, Inert Gas Fill



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

**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.

### 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.

**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 – 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.

### 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