



Two-Stage Temperature Controls



POPULAR MODELS – OPERATING RANGES/SERIES D-7435 With Snap-Action Contacts

RANGE NO.	SCALE RANGE	MINIMUM SPREAD BETWEEN SWITCHES	FIXED DEADBAND EACH SWITCH
1N	-60 to +30°F (-50 to 0°C)	18°F (10°C)	4°F (2°C)
3N	0 to 100°F (-18 to 40°C)	20°F (11°C)	4°F (2°C)
4N	50 to 150°F (10 to 65°C)	20°F (11°C)	4°F (2°C)
5N	100 to 200°F (40 to 95°C)	20°F (11°C)	4°F (2°C)
7N	140 to 300°F (60 to 150°C)	32°F (18°C)	7°F (4°C)
8N	250 to 415°F (120 to 215°C)	33°F (19°C)	7°F (4°C)
9N	350 to 550°F (175 to 290°C)	40°F (23°C)	8°F (5°C)
10N	100 to 300°F (40 to 150°C)	40°F (23°C)	8°F (5°C)
11N	100 to 500°F (40 to 260°C)	80°F (45°C)	16°F (9°C)

ELECTRICAL RATING

AC capacities: 5A @ 120V, 5A @ 240V.
(Not available for 440 V.)
DC capacity: 5A, 30 V resistive.

FEATURES

Two-stage capability • Temperature ranges to 550°F. • Incorporating two SPDT snap-action switches • Switches activated by a single gas actuated Bourdon tube • External adjustment, with visible calibrated dial and visible on-off • Dials calibrated in °F. and °C.

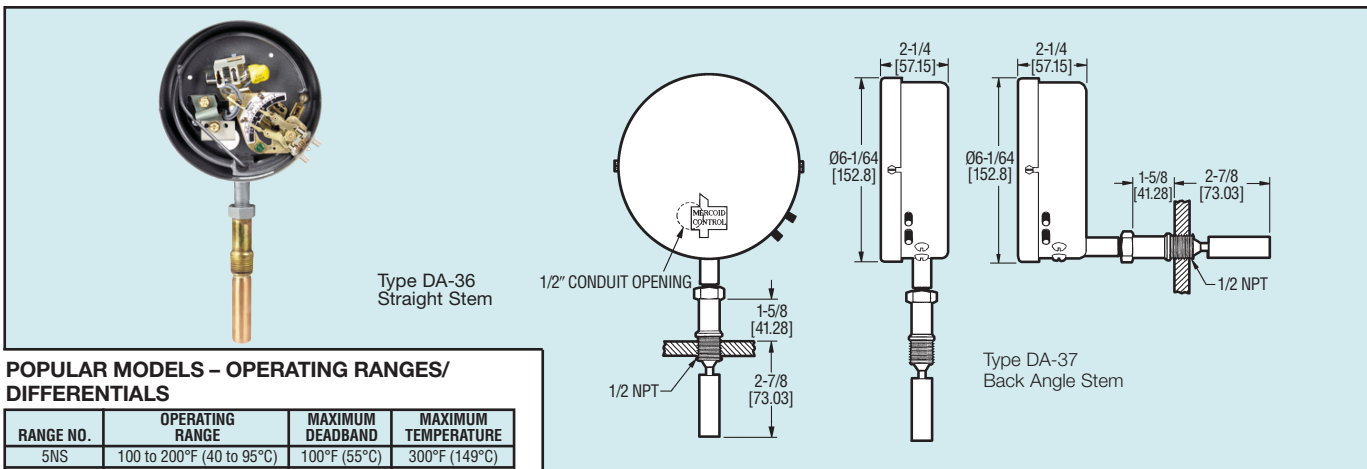
APPLICATION

(1) To close one alarm circuit at high temperature and another at low temperature. (Both circuits normally “open”). (2) As an electrical interlock to open one circuit as temperature rises above the operating range, and open another circuit as temperature drops below the operating range. (3) To provide two-stage control by opening or closing one circuit upon a rise in temperature, and a second circuit on a further rise.



Series DA-36/
DA-37

Liquid Temperature Controls



POPULAR MODELS – OPERATING RANGES/ DIFFERENTIALS

RANGE NO.	OPERATING RANGE	MAXIMUM DEADBAND	MAXIMUM TEMPERATURE
5NS	100 to 200°F (40 to 95°C)	100°F (55°C)	300°F (149°C)
6NS	140 to 250°F (60 to 120°C)	100°F (55°C)	380°F (190°C)

With Mercury Switch

RANGE NO.	SUFFIX NO. (1)	MINIMUM DEADBAND
5NS	-2, -3, -153	7°F (4°C)
6NS	-2, -3, -153	8°F (5°C)

With Snap Switch, Adjustable Differential, DA-7000 Types

RANGE NO.	SUFFIX NO. (1)	MINIMUM DEADBAND
5NS	-153	25°F (14°C)
6NS	-153	28°F (16°C)

With Fixed Differential, DS-7200 Types

RANGE NO.	SUFFIX NO. (1)	MINIMUM DEADBAND
5NS	-153	5°F (3°C)
6NS	-153	6°F (3°C)

FEATURES

Dual external adjustments • Mercury or snap switch operation • 304 Stainless Steel immersion bulb • Gas-actuated Bourdon tube • Visible calibrated dial • Maximum temperatures to 380°F • Straight stem (DA-36) or back angle stem (DA-37) mounting.

304 Stainless Steel Immersion Bulb –

For use in liquid media not injurious to Type 304 stainless steel. Recommended for heavy oil preheaters. 3" immersion bulb with 1/2" NPT connection. • 1/2 NPT connection & 303 stainless steel.

APPLICATION

For use as a high limit control on hot water boilers, hot water storage tanks, heavy oil preheaters, and various industrial applications. The immersion bulb is inserted directly into the medium being controlled. When the liquid temperature exceeds the predetermined setpoints, a switch contact is tripped.

To Order:

Specify Type, Circuit Suffix No., Range No., and optional construction, if desired.
Example – DA-36-2-5NS