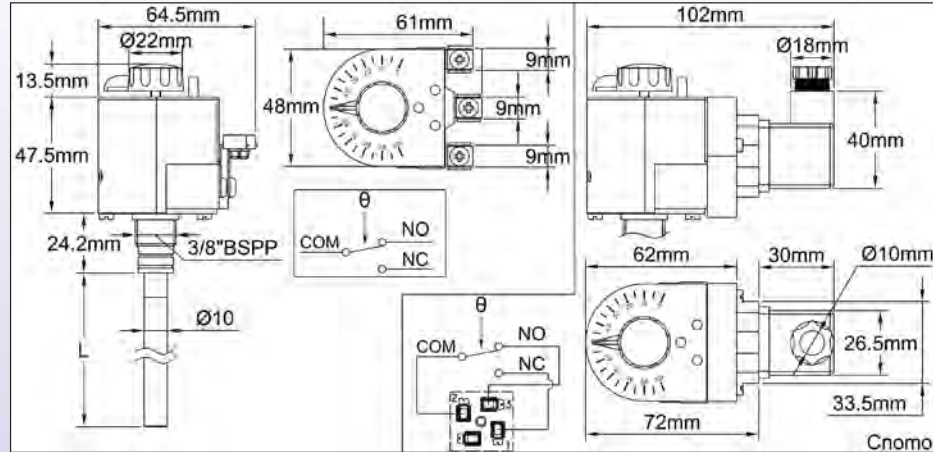


# SPDT Bimetal rod thermostats with dead zone, VR and VU types

## DIMENSIONS



## TECHNICAL FEATURES

**Applications:** These thermostat have a rod section that is not sensible to temperature. This allows to keep the thermostat head away from high temperatures. Therefore, they are more used in air duct temperature control.

**Temperature ranges:** 0-100°C (32-212°F), 0-200 °C (32-392°F), 0-300°C (32-572°F), 0-400°C (32-752°F)

**Housing dimensions:** 65 x48 x 48 mm (knob not included)

**Material:** PA66 housing, and Aisi 304 stainless steel rod

**Temperature sensing element:** Invar/stainless steel bimetal rod, temperature sensing

**Electrical connections:** screw terminals

**Mounting:**

- For liquid temperature sensing: inside pocket with internal diameter > 10 mm , or directly on 3/8" BSP thread under the head, or with 3/8 x1/2" fitting (see accessories)

- For air temperature sensing measurement: with stainless steel bracket, with or without rod cooler

**Rating:** 16(4)A 250/400VAC, 300.000 cycles. Reduced differential model is not recommended for 400V applications.

**Contacts:** SPDT, snap action

**Max ambient temperature on the head:** 85°C (185°F)

**Options:**

- Cnomo electrical connector

- Other temperature ranges.

- Other rod lengths

- IP65 aluminum housing: See catalogue N°2

**Accessories:** BSPT 1/2" stainless steel pocket, fittings, bracket, see full description and references at end of this catalogue

**Approvals:** comply with EN 60730-1 and EN 60730-2 standards

## Main references

| Temperature range °C (°F) | Rod length (mm) | Reference with standard differential* | Differential value °C (°F) | Reference with reduced differential* | Differential value °C (°F) | Max. temperature on rod °C (°F) |
|---------------------------|-----------------|---------------------------------------|----------------------------|--------------------------------------|----------------------------|---------------------------------|
| 0-100°C (32-212°F)        | 300             | VRA00010000300                        | 6±3°C (10.8±5.4°F)         | VUA00010000300                       | 3±1.5°C (5.4±2.7°F)        | 130°C (266°F)                   |
| 0-100°C (32-212°F)        | 450             | VRA00010000450                        | 6±3°C (10.8±5.4°F)         | VUA00010000450                       | 3±1.5°C (5.4±2.7°F)        | 130°C (266°F)                   |
| 0-200°C (32-392°F)        | 300             | VRA00020000300                        | 12±6°C (21.6±10.8°F)       | VUA00020000300                       | 6±3°C (10.8±5.4°F)         | 230°C (446°F)                   |
| 0-300°C (32-572°F)        | 300             | VRA00030000300                        | 18±9°C (32.4±16.2°F)       | VUA00030000300                       | 9±4.5°C (16.2±8.1°F)       | 350°C (662°F)                   |
| 0-400°C (32-752°F)        | 450             | VRA00040000450                        | 24±12°C (43.2±21.6°F)      | VUA00040000450                       | 12±6°C (21.6±10.8°F)       | 450°C (842°F)                   |
| 0-150°C (32-302°F)        | 170             | SRA00015000170                        | 8±4°C (14.4±7.2°F)         | SUA00015000170                       | 4±2°C (7.2±3.6°F)          | 180°C (356°F)                   |

\* These products can also be supplied with Cnomo connector electrical output: Replace the last number in the reference "0" by "1"

## Accessory assemblies

| Pocket assembly                                | 3/8" thread assembly                                     | 1/2" thread assembly                           |
|--|--|--|
|  |  |  |
| Air duct with dia 14.5mm hole bracket assembly | Air duct with dia. 14.5 hole bracket and cooler assembly | Air duct with 1/2" bracket and cooler assembly |
|  |  |  |

Mounting accessories are described in the last section of this catalogue.

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice

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