

Rugged Bulb and Capillary Thermostats

AR Series



- ✓ Bulb and Capillary Design
- ✓ Long-Lasting, Snap-Action Mechanism
- ✓ Double-Pole, Single-Throw Contacts
- ✓ 3 Different Bulb Styles Available
- ✓ Optional Knob Cover and Pilot Light

Specifications

Temperature Range: -20 to 370°C (-4 to 698°F)

Operating Voltage:

Single-Phase: 120 to 480V

3-Phase: 120 to 277V

Enclosure: General purpose

Contacts: DPST, open on temperature rise; at positive off position, contacts cannot close

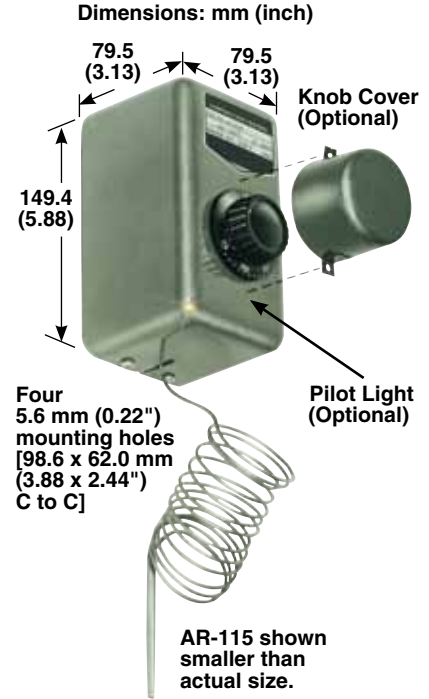
Differential: ±4% of scale

Bulb and Capillary: Copper for units rated at 120°C (248°F) and lower; nickel-plated copper for units between 95°C (203°F) and 290°C (504°F); tin-plated steel for units between 150°C (302°F) and 370°C (698°F)

Weight:

AR and ARR Series: 1.14 kg (2.5 lb)

AR-LT and AR-EP Series: 2.27 kg (5 lb)



Typical Applications

- ✓ Temperature Control of Any Electrically Heated Solid, Liquid or Gas
- ✓ Excellent for Ovens or Sterilizers
- ✓ Molding Machines
- ✓ Heat Exchangers
- ✓ Labeling Machines
- ✓ Water Baths
- ✓ Heat Sealers
- ✓ May Be Used to Control Refrigerating, Ventilating, and Alarm Systems

These thermostats use sensitive bulbs that can be used in confined locations. Styles 4 and 5 bulbs are designed for inserting in drilled holes in platens and dies or for direct immersion.

Sensors for air and pipeline heating applications (style 9) can be coiled to inside radii as small as 13 mm (½").

CAUTION AND WARNING!

Fire and electrical shock may result if products are used improperly or installed or used by non-qualified personnel.

To Order

Model Number	Temperature Range °C (°F)	Amp Rating		Bulb Style	Dimensions inch		Cap ft Lgth.
		120 to 277V	480V		Dia.	Lgth.	
Single-Phase AR							
AR-115	-20 to 40 (-4 to 104)	30	10	5	3/8	3 7/8	7
AR-115A	-20 to 40 (-4 to 104)	30	10	5	3/8	3 7/8	2
AR-115C	-20 to 40 (-4 to 104)	30	10	5	3/8	3 7/8	12
AR-214	10 to 120 (59 to 248)	30	10	4	1/4	5 5/32	7
AR-214D	10 to 120 (59 to 248)	30	10	4	1/4	5 5/32	15
AR-215	10 to 120 (59 to 248)	30	10	5	3/8	4	7
AR-215A	15 to 120 (59 to 248)	30	10	5	3/8	4	2
AR-219	15 to 120 (59 to 248)	30	10	9	3/16	10 3/4	7
AR-219D	15 to 120 (59 to 248)	30	10	9	3/16	10 3/4	15
AR-514	95 to 290 (200 to 550)	30	10	4	1/4	5 5/8	7
AR-519	95 to 290 (200 to 550)	30	10	9	3/16	9	7
AR-519D	95 to 290 (200 to 550)	30	10	9	3/16	9	15
AR-715	150 to 370 (302 to 698)	30	10	5	3/8	3 1/16	7
AR-719	150 to 370 (302 to 698)	30	10	9	3/16	11 13/16	7
3-Phase AR-3							
AR-2153	10 to 120 (59 to 248)	30**	-	5	3/8	4 1/4	7
Single-Phase ARR (Inverse Action)							
ARR-215	10 to 120 (59 to 248)	30	-	5	3/8	4 1/4	7
ARR-519	95 to 290 (200 to 550)	30	-	9	3 3/16	11 1/4	7

Comes complete with operator's manual.

**120 to 250V.

To order any unit with optional knob cover, add suffix "KC" to model number, for an additional cost. To order any unit above with optional pilot light, add suffix "P" to model number, for an additional cost.

Ordering Examples: AR-115KC, single-phase AR thermostat, temperature range -20 to 40°C (-4 to 104°F), style 5 bulb, with optional knob cover.

AR-719, single phase AR thermostat, 150 to 370°C (302 to 698°F) temperature range, style 9 bulb.