

# Explosion-Resistant\* or Watertight Thermostats

AR-LT Series  
Starts at

**\$531**



## AR-EP, AR-LT Series

These models add a weather-resistant enclosure (AR-LT series) or an explosion-proof enclosure (AREP series) to the AR Series shown in the P Section. With the exception of the enclosure type, specifications are the same as

listed. AR-EP models are UL listed for use on Class I, Groups C and D, and Class II, Groups E, F and G hazardous locations.

### Caution—Hazard of Fire:

Types AR, ARR, AR-LT and AR-EP thermostats do not provide failsafe temperature controls for heating. If the thermostat bulb ruptures, the controller senses that the temperature is not at the setpoint and heat stays on. A backup high limit temperature controller is recommended for safety.

\*Not intended for use in hazardous areas.

AR-115LT, \$546,  
shown smaller  
than actual size.



### MOST POPULAR MODELS HIGHLIGHTED!

#### To Order (Specify Model Number)

Watertight		Expl. Resistant*		Temp Range °C (°F)	Amp Rating		Bulb Style	Dimensions mm (in)		Cap [m (ft)] Length
Model Number	Price	Model Number	Price		120-277 V	480 V		Dia.	Length	
AR-115LT	\$546	AR-115EP	\$858	-18 to 38 (0 to 100)	30	10	5	3/8"	98.6 (3.88)	2.1 (7)
AR-115ALT	546	AR-115AEP	858	-18 to 38 (0 to 100)	30	10	5	3/8"	98.6 (3.88)	0.6 (2)
AR-115CLT	563	AR-115CEP	871	-18 to 38 (0 to 100)	30	10	5	3/8"	98.6 (3.88)	3.6 (12)
AR-214LT	546	AR-214EP	858	16 to 121 (160 to 250)	30	10	4	1/4"	131.1 (5.16)	2.1 (7)
AR-214DLT	563	AR-214DEP	871	16 to 121 (160 to 250)	30	10	4	1/4"	131.1 (5.16)	4.5 (15)
AR-215LT	531	AR-215EP	858	16 to 121 (160 to 250)	30	10	5	3/8"	101.6 (4.0)	2.1 (7)
AR-215ALT	531	AR-215AEP	858	16 to 121 (160 to 250)	30	10	5	3/8"	101.6 (4.0)	0.6 (2)
AR-219LT	531	AR-219EP	858	16 to 121 (160 to 250)	30	10	9	3/16"	237.1 (10.75)	2.1 (7)
AR-514LT	546	AR-514EP	858	93 to 288 (200 to 550)	30	10	4	1/4"	143.0 (5.63)	2.1 (7)
AR-515LT	546	AR-515EP	858	93 to 288 (200 to 550)	30	10	5	3/8"	82.6 (3.25)	2.1 (7)
AR-515ALT	546	—	—	93 to 288 (200 to 550)	30	10	5	3/8"	82.6 (3.25)	0.6 (2)
AR-519LT	546	AR-519EP	858	93 to 288 (200 to 550)	30	10	9	3/16"	228.6 (9.0)	2.1 (7)
AR-519DLT	563	—	—	93 to 288 (200 to 550)	30	10	9	3/16"	228.6 (9.0)	4.5 (15)
AR-715LT	546	AR-715EP	858	149 to 371 (300 to 700)	30	10	5	3/8"	93.7 (3.69)	2.1 (7)
AR-719LT	531	—	—	149 to 371 (300 to 700)	30	10	9	3/16"	300.0 (11.81)	2.1 (7)

Comes with complete operator's manual.

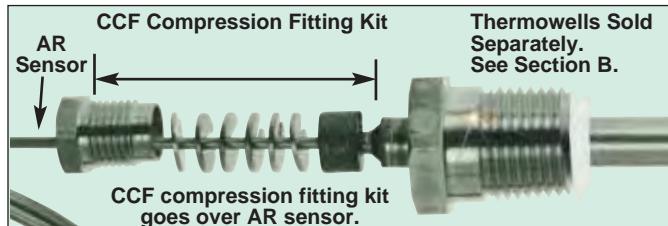
Ordering Example: AR-115CLT, watertight thermostat, \$563.

Type CCF compression fittings are recommended for use with the AR thermostats shown on this page and in Section B. These fittings contain

special slotted washers that allow the fitting to slide over the thermostat bulb and tighten down on the capillary tube.

### CAUTION AND WARNING!

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



### MOST POPULAR MODEL HIGHLIGHTED!

#### To Order (Specify Model Number)

Model No.	Price	Material	NPT Size	Weight
CCF-25D	\$57	300 Series SS	3/8-18	45 g (1.6 oz)
CCF-25F	120	300 Series SS	1/2-14	45 g (1.6 oz)

# Rugged Bulb and Capillary Thermostats

AR Series  
Starts at  
**\$235**



- ✓ **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**

## 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 (1/2").

## CAUTION AND WARNING!

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

## 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

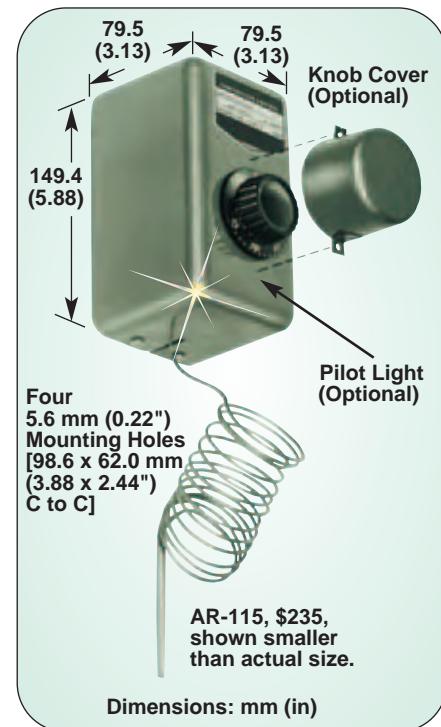
**Differential:** ±4% of scale

**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)



## MOST POPULAR MODELS HIGHLIGHTED!

### To Order (Specify Model Number)

Model Number	Price	Temp Range °C (°F)	Amp Rating		Bulb Style	Dimensions (in)		Cap (ft)
			120 to 277V	480V		Dia.	Lgth.	
<b>Single-Phase AR</b>								
AR-115	\$235	-20 to 40 (-4 to 104)	30	10	5	3/8	3 7/8	7
AR-115A	235	-20 to 40 (-4 to 104)	30	10	5	3/8	3 7/8	2
AR-115C	250	-20 to 40 (-4 to 104)	30	10	5	3/8	3 7/8	12
AR-214	235	10 to 120 (59 to 248)	30	10	4	1/4	5 5/32	7
AR-214D	250	10 to 120 (59 to 248)	30	10	4	1/4	5 5/32	15
AR-215	235	10 to 120 (59 to 248)	30	10	5	3/8	4	7
AR-215A	235	15 to 120 (59 to 248)	30	10	5	3/8	4	2
AR-219	250	15 to 120 (59 to 248)	30	10	9	3/16	10 3/4	7
AR-219D	235	15 to 120 (59 to 248)	30	10	9	3/16	10 3/4	15
AR-514	235	95 to 290 (200 to 550)	30	10	4	1/4	5 5/8	7
AR-519	235	95 to 290 (200 to 550)	30	10	9	3/16	9	7
AR-519D	235	95 to 290 (200 to 550)	30	10	9	3/16	9	15
AR-715	235	150 to 370 (302 to 698)	30	10	5	3/8	3 11/16	7
AR-719	235	150 to 370 (302 to 698)	30	10	9	3/16	11 13/16	7
<b>3-Phase AR-3</b>								
AR-2153	\$290	10 to 120 (59 to 248)	30**	-	5	3/8	4 1/4	7
<b>Single-Phase ARR (Inverse Action)</b>								
ARR-215	\$250	10 to 120 (59 to 248)	30	-	5	3/8	4 1/4	7
ARR-219	235	10 to 120 (59 to 248)	30	-	9	3/16	16 9/32	7
ARR-519	207	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, and \$16 to price. To order any unit above with optional pilot light, add suffix "-P" to model number and call for price.

**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, \$250 + 16 = \$266.

AR-719, single phase AR thermostat, 150 to 370°C (302 to 698°F) temperature range, style 9 bulb, \$235.