

# Controls

## AR & ARR Non-Indicating Temperature Controllers

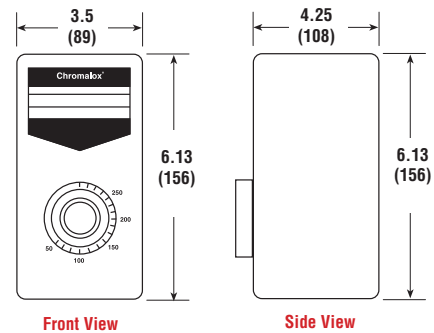
- Bulb & Capillary
- Operating Environment, -40°F to 150°F
- 0 - 700°F Temperature Range
- Single Phase, 120 - 480 Vac
- Three Phase, 208-277 Vac
- Reverse Acting Model ARR
- Knob Cover & Pilot Light (Option)
- Double Pole, Single Throw Contacts



### 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
- Type ARR may be used to control refrigerating, ventilating and alarm systems.

### Dimensions



**WARNING: Hazard of Fire.** These controls function as temperature controls only. Because they do not fail safe, an approved temperature and/or pressure safety control must be used for safe operation.

**Note** — Refer to AR-LT and AR-EP products for bulb style and capillary configuration drawings.

### Ordering Information

All Dimensions in Inches (mm)  
See table below for Bulb Dimensions

Temp. Range (°F)	Amp.		Bulb Dim. (In.)			Cap Lgth. (Ft.)	Model	Stock	PCN	Wt. (Lbs.)	Model	Stock	PCN	Wt. (Lbs.)	Model	Stock	PCN	Wt. (Lbs.)
	120-277V	480V	Style	Dia.	Lgth.													
<b>Single Phase AR</b>																		
										<b>With Knob Cover</b>				<b>With Pilot Light</b>				
0-100	30	10	5	3/8	4-5/16	7	AR-115	S	269966	2.5	AR-115KC	S	272727	2.5	AR-115P	S	269974	2.5
0-100	30	10	5	3/8	4-5/16	2	AR-115A	S	299639	2.5	AR-115AKC	NS	273519	2.5	AR-115AP	NS	273906	2.5
0-100	30	10	5	3/8	4-5/16	12	AR-115C	S	277931	2.5	AR-115CKC	NS	273527	2.5	AR-115CP	NS	273914	2.5
60-250	30	10	4	1/4	5-5/32	7	AR-214	S	263038	2.5	AR-214KC	S	272735	2.5	AR-214P	S	265869	2.5
60-250	30	10	5	3/8	4	7	AR-215	S	277940	2.5	AR-215KC	NS	273551	2.5	AR-215P	NS	273930	2.5
60-250	30	10	5	3/8	4	2	AR-215A	S	299655	2.5	AR-215AKC	NS	273594	2.5	AR-215AP	NS	273949	2.5
60-250	30	10	9	3/16	10-11/16	7	AR-219	S	263054	2.5	AR-219KC	NS	272743	2.5	AR-219P	S	265877	2.5
200-550	30	10	4	1/4	7-5/16	7	AR-514	S	263046	2.5	AR-514KC	NS	272751	2.5	AR-514P	S	265885	2.5
200-550	30	10	9	3/16	12	7	AR-519	S	263062	2.5	AR-519KC	NS	272778	2.5	AR-519P	S	265893	2.5
300-700	30	10	5	3/8	3-11/16	7	AR-715	S	269640	2.5	AR-715KC	NS	273770	2.5	AR-715P	NS	272081	2.5
300-700	30	10	9	3/16	12	7	AR-719	S	269659	2.5	AR-719KC	NS	273797	2.5	AR-719P	NS	269923	2.5
<b>Three Phase AR-3</b>																		
60-250	30	-	5	3/8	4-1/4	7	AR-2153	S	263097	2.5	AR-2153KC	NS	273800	2.5	AR-2153P	NS	265818	2.5
										<b>With Knob Cover</b>				<b>With Pilot Light</b>				
<b>Single Phase ARR Reverse Acting</b>																		
60-250	30	-	5	3/8	4	7	ARR-215	S	272292	2.5	ARR-215KC	NS	273842	2.5				
200-550	30	-	9	3/16	11-1/4	7	ARR-519	NS	272989	2.5	ARR-519KC	NS	273893	2.5				

**Stock Status:** S = stock NS = non-stock

1. 120 - 250 Vac.

**Other Notes —**

A. Thermowells (CPW\_) and Universal Compression fitting (CCF) for all AR thermostats must be ordered separately.

B. See ordering information table above for Bulb and Capillary dimensions.

C. Pilot Duty Rating, 125 VA for 120 Vac, 250 VA for 250 - 277 Vac.

ELECTROMECHANICAL & THERMOSTATS