

# THERMOSTATS & CONTROLLERS

## JOHNSON CONTROLS LOW TEMPERATURE LIMIT CONTROL A11 SERIES

### DESCRIPTION

The Johnson Controls A11 Series Low-Temperature Limit Controls incorporate a 20' (6 m), vapor-charged sensing element. The A11 Series reacts to the coldest 16" (40.6 cm) section of the control's sensing element. It is suitable for monitoring the trailing face of a coil for freeze protection.

### FEATURES

- Snap-acting contacts
- External temperature scale
- Easy set point adjustment
- Unaffected by ambient temperature at the control and 4' (1.2m) capillary

### APPLICATION

- Low temperature limit for coils and/or liquid pipes



A11A-1

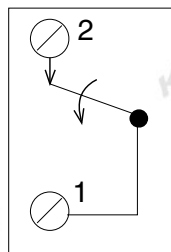


### SPECIFICATIONS

<b>Sensing Element</b>	20' (6 m) of 1/8" copper tube	<b>Sensor</b>	R-134A vapor filled
<b>Capillary</b>	4' (1.2 m)	<b>Operating Temperature</b>	0° to 140°F (-18° to 60°C)
<b>Switch</b>	SPST, N.C.	<b>Element</b>	250°F (121°C) maximum
<b>Action</b>	N.C. opens on decrease in temp	<b>Dimensions</b>	3"H x 5.4"W x 2.4"D (7.6 x 13.7 x 6 cm)
<b>Switch Rating</b>	16A @ 120 VAC, 9.2A @ 208 VAC, 8A @ 240 VAC	<b>Weight</b>	1.75 lb (0.79 Kg)
<b>Pilot Duty</b>	125 VA @ 24-277 VAC	<b>Approvals</b>	UL listed, File#SA516; CSA certified, File#LR948
<b>Range (Cut Out)</b>	35° to 45°F (2° to 7°C)	<b>Warranty</b>	1 year
<b>Setpoint Adjust</b>	Slot screwdriver		
<b>Differential</b>			
<b>A11A</b>	12°F (6.7°C) manual reset		
<b>A11B</b>	12°F (6.7°C) auto reset		

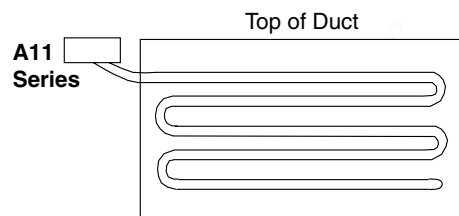
### WIRING

SPST - Normally closed  
opens on decrease  
in temperature



A11 Series

### INSTALLATION



Mount sensing element horizontally for proper measurement. Typically mounted downstream of a coil with capillary exposed to all areas likely to encounter low temperatures

### ORDERING INFORMATION

MODEL	DESCRIPTION
A11A-1	Manual reset low-temperature limit control
A11B-1	Auto reset low-temperature limit control

### RELATED PRODUCTS

CC-1G-K	Plastic capillary and sensor holder mounting clip
ES1051	Freeze spray, 8 fl oz
M-648K	Copper-clad capillary mounting clip