



The **ACH045** to **ACH085** series thermostats are low-cost, single setpoint thermostats intended for use as temporary devices to provide heating or cooling to allow drywall to dry during construction. They also can be used as a low ambient cutoff switch.

Features

- **Two-wire installation**
- **7 fixed setpoint models to choose from: 45°F to 85°F**
- **Temporary use for dryout applications**
- **Can be used as a low ambient cutoff switch**

Specifications

Input: 18-30 VAC
Output: 2 amp maximum
Temperature Control Range: 45°F to 85°F (±9°F)



Mode of Operation

Heat/Cool Thermostat

The heating models will close when the ambient temperature drops below the respective setpoint and open when the ambient temperature is above the respective setpoint. The cooling models will close when the ambient temperature is above the respective setpoint and open when the ambient temperature drops below the respective setpoint.

Low Ambient Cutoff: Condenser Fan Motor

The ACH045 and ACH055 models can be used as a low ambient cutoff switch for a condenser fan motor. When the ambient temperature drops below the setpoint, the unit will open the fan signal and turn the fan motor off. It will not allow the fan to turn back on until the temperature rises above the setpoint.

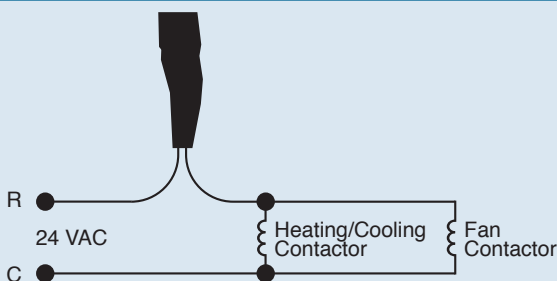
Low Ambient Cutoff: Compressor

The ACH045 and ACH055 models can also be used as a low ambient cutoff switch for the compressor when wired in series with the Y circuit from the thermostat. When using with the compressor circuit, an anti-short cycle timer is recommended to prevent possible damage to the compressor from short cycling.

Part Number	DRYOUT THERMOSTATS						
	ACH045	ACH055	ACH060	ACH065	ACH070	ACH075	ACH085
Temperature Range*	45°F ±9°	55°F ±9°	60°F ±9°	65°F ±9°	70°F ±9°	75°F ±9°	85°F ±9°
2-Wire	✓	✓	✓	✓	✓	✓	✓
Heat			✓	✓	✓		
Cool	✓	✓				✓	✓

* Consult factory for other setpoints

Wiring Diagram for Heating/Cooling Thermostat



Wiring Diagram for Low Ambient Cutoff

