



Thermal Edge Inc.™

Air Conditioner Options

DRY CONTACT

High Temperature Alarm

This option provides an early warning capability for your enclosure when a high temperature alarm is activated. A 6' cable attached to the dry contact relay can be connected to a light, horn, PLC or other alarm notification equipment allowing the alarm to be seen or heard at a distance for immediate attention.

The Dry Contact is programmed in the air conditioner controller with an individual set point to monitor the enclosure temperature limit that you require. When the enclosure temperature has exceeded the maximum limit, the contact will activate to notify you that there is a problem in achieving your cooling requirement.

Default Settings:

- 105°F Dry Contact High Temperature Alarm Set Point
- 2°F Recovery Differential
- 3 minute Temperature Alarm Delay

At the default settings the Dry Contact initial conditions are normally open and/or normally closed. When the unit is powered on and the temperature exceeds 105°F for a period longer than 3 minutes the Dry Contact will activate. At this time the normally open contact will close and the normally closed contact will open. This state will remain until the temperature has decreased to 103°F.

- OPTIONS:**
- Normally Open (D1)**
 - Normally Closed (D2)**
 - Normally Open & Normally Closed (D3)**

Compressor Status & High Temperature Alarm (D4)

This option provides a normally open dry contact that closes when the compressor is operating, plus a normally open & normally closed high temperature alarm. 6' cables attached to the dry contact relays can be connected to a light, horn, PLC or other alarm notification equipment allowing the alarm to be seen or heard at a distance for immediate attention.

Power On Status & High Temperature Alarm (D5)

This option provides a normally open dry contact that closes when power is being supplied to the air conditioner, plus a normally open & normally closed high temperature alarm. 6' cables attached to the dry contact relays can be connected to a light, horn, PLC or other alarm notification equipment allowing the alarm to be seen or heard at a distance for immediate attention.



All information subject to change without notice

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Temperature Control Solutions for Electrical Enclosures

(972) 580-0200 • www.thermal-edge.com • thermalinfo@thermal-edge.com

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