

Smart IR_{t/c}TM

Infrared Temperature Sensor



Threshold Pin Option

Option Description

The Threshold Pin provides the user with an independent line that goes high (over 5V) whenever the unit has reached the customer selected state. This feature is most commonly used in applications where immediate shut-off or operator intervention is required when a certain temperature is reached.

Option Specifications

Alarm Pin Impedance	10K ohms
Maximum Time for Alarm Pin to Trigger	One Response Time, 250 msec
Pin Color	Normally Yellow
Alarm Level	5V on all models

Applying a voltage above 5.4V may cause the unit to freeze or malfunction; restarting without the high voltage present should reset the unit. Pulling the pin significantly high can cause permanent damage.

Graphs and Supporting Data

Possible Threshold States
High Temperature
Low Temperature
High Ambient
Low Ambient
High Heat Flow
Low Heat Flow
Target Rate of Change Limit
Ambient Rate of Change Limit

If another type of threshold limit is required please contact Exergen.