



# FreezeAlert™

## Clear and precise temperature indication for freeze-sensitive goods

### The validated alternative to chemical freeze indicators

Enable immediate accept-reject decision making for freeze-sensitive pharmaceuticals with the accuracy and reliability of an electronic temperature indicator.

- One low, single-event, factory-set alarm
- Custom time and temperature threshold alarm settings tailored to your specific product needs
  - Temperature threshold value from  $-5^{\circ}\text{C}$  to  $+5^{\circ}\text{C}$  ( $23^{\circ}\text{F}$  to  $41^{\circ}\text{F}$ )
  - Time threshold values 0, 15, 30 or 60 minutes
- Easy-to-read digital display enables unambiguous decision making
- Accuracy tested to NIST® traceable standards for quality assurance
- Designed for single-use monitoring applications up to 36 months
- Field activated via integrated start button
- Requires no pre-conditioning or controlled shipping/storage conditions prior to start
- World Health Organization PQS IN03 pre-qualification



Reliable  
Accurate  
Validated



Specifications	
Operating Range	-20 to 55 °C (-4 to 131°F)
Operating Life	90 day or 36 month models
Shelf Life	12 months prior to activation
Accuracy	±0.5°C from -6.5°C to 6.5°C ±0.9°F from 20°F to 44°F
Alarm Setting	-5.0°C to 5.0°C in 0.5°C increments 0, 15, 30, or 60 minutes (Single Event)
Size, Weight	51.5 mm x 35 mm x 10 mm, 14g 2.0" x 1.4" x 0.4", 0.5 oz.
Display (Liquid Crystal )	"√" if activated and no alarm triggered "X" if activated and alarm is triggered
Startup Delay	None
Measurement Interval	1 minute
Enclosure Protection	IP64 (per IEC529)
Activation	Momentary switch, 3 second contact



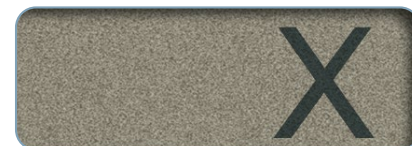
## How FreezeAlert™ Indicators Work

Each FreezeAlert™ indicator is factory-set with a low single event time/temperature alarm tailored to the unique requirements of your product.

The alarm is triggered if the temperature remains below the threshold setting for a continuous time period exceeding the time threshold setting.



Not alarmed



Alarmed

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