

K1

The K1 Electronic Temperature Indicator flashes an LED when the actual temperature inside a shipment is above or below the programmed threshold.



Features

- With 1 or 2 temperature thresholds
- Preprogrammed to customer specifications
- Compact profile; weighs less than 6 grams
- Contained in waterproof pouch
- Non stop monitoring
- Two LEDs provide instant status

Specifications

Description	Specifications
Product Code	K1-1 K1-2
Alarm Thresholds	K1-1 One Temperature threshold K1-2 Two Temperature thresholds
Sensor	Internal
Temperature Range	-40 °C to +80 °C (-40 °F to +176 °F)
Accuracy	± 0.5 °C (± 1.0 °F)
Sensor Response Time	T90 of 5 minutes in moving air
Sensor Location	Internal
Preprogram Option	Factory programmed
Start Option	Push button
Stop Option	Yes, Push button
Size	40x50x3 mm (with sleeve)
Weight	6 grams
Case Material	Plastic sleeve
Battery	3.0V
IP Rating	IP 67
Other Certification	ISO9001:2008, RoHS

Simple & Smart

K1 Quick User Guide

New units

Each block below is approximate 1/2 sec

Description	LED Action/s	Graphical representation
New K1 unit	Flashes every 3.6 seconds	

Do not press (push button) until ready to start the unit

To START

Description	Action	Graphical representation
Press (push button) and hold it for 10-15 seconds	Solid lit (green) then Solid lit both red & green LEDs	
Release button, K1 starting	Blink every 0.5 sec for 2.8 sec (green)	

Description	Action	Graphical representation
Start delay (till delay time is met)	Flashes every sec, one after another (green then red)	
No start delay (or delay time is met)	Blinks once, every 6.8 second (green)	

During temperature excursions

Description	Action	Graphical representation
Only Low temp. excursion <i>In Total & Consecutive Delay</i>	Two blinks every 4.8 second	
Only High temp. excursion <i>In Total & Consecutive Delay</i>	Two blinks every 4.8 second	
Only Low temp. excursion <i>With or without Total & Consecutive Delay</i>	Once every 6.8 seconds	
Only High temp. excursion <i>With or without Total & Consecutive Delay</i>	Two blinks every 5.7 seconds	
Both High & Low temp. excursion <i>With or without Total & Consecutive Delay</i>	Three blinks every 4.8 seconds	

To STOP

Description	Action	Graphical representation
Press (push button) and hold it for 10-15 seconds	Solid lit (green) then Solid lit both red & green LEDs	
Release button, K1 stopping	Blink every 0.5 sec	

Alarm LED's will keep blinking in respective pattern, until the battery drains

K1 Battery Life

Status	Description	Estimated (years)
Shelf life	Not in use	3
During use	1 Alarm/ 1 LED flash	2.5
	2 Alarm/ 2 LED flash	2
	3 Alarm/ 3 LED flash	2