SHOCKWATCH®
Damage Prevention and Safety Solutions

RC-17N Temperature Data Logger User Manual

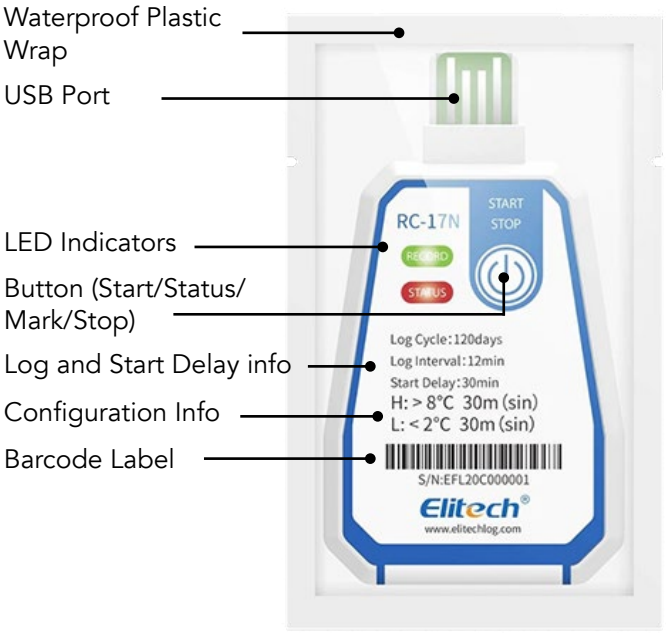
1. If the data logger has not been stored at room temperature, place it in room temperature for 30 mins before starting.
2. Press and hold the START/STOP button for approximately 5 seconds. The green light flashes for 5 secs.
3. Place the data logger into the location to be monitored. Recording will begin after the start delay period shown on the logger.
4. If there has been no temperature excursion, the green light will flash green every 10 seconds. If a temperature excursion has occurred, the red light will flash every 10 seconds.
5. To stop recording, press and hold the START/STOP button for 5 seconds. The red light flashes for 5 secs.
6. To generate a trip report, tear or cut away the waterproof plastic bag. Be careful not to damage the device when cutting away the bag. Insert the logger into a PC USB port. The green and red lights will alternately flash when the PDF report is being generated.
7. When the PDF report has been generated, the green and red lights will illuminate solid until the logger is removed from the USB port.

OPERATION	ACTION	LED INDICATION
START Recording	Press the START/STOP Button for 5 seconds	The RECORD LED will blink 5 times
STOP Recording	Press the START/STOP Button for 5 seconds	The STATUS LED will blink 5 times

Status Indication

The status of the recording can be analyzed by the unit's indicator light.

STATUS	LED INDICATION
Does not Start	Red and green light flash simultaneously
Start-up Delay	Red and green light blinks alternately once
Start - Normal	Green light blinks once (flashes 10 times every minute)
Start - Alarm	Red light flashes once (flashes 10 times every minute)
Start - Mark	Red and green light flash 3 times at the same time
Start - Mark overrun	Red and green light flash 3 times alternately
Stop - Normal	Green light flashes twice
Stop - Alarm	Red light flashes twice



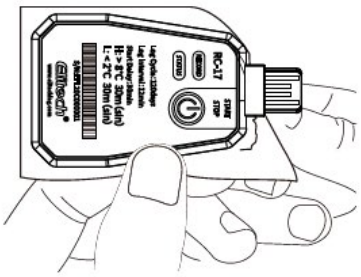
Front

Back

Specifications

Temperature Measuring Range	-30°C ~ +70°C
Resolution	0.1°C
Accuracy	±0.5°C (@-20°C~+40); 1°C/(@others)
Memory Capacity	16000 readings
Recording Period	6, 15, 30, 60, 90, 120, 180 days (customisable)
Alarm Type	single or cumulative
Report Type	PDF format
Data Interface	USB2.0 / NFC
Sensor type	Internal NTC
Power supply	Built-in CR2450 wide temperature lithium battery
Battery life	2 years (stored and used under normal temperature environment)
Protection grade	IP67
Dimension	93mm (L) x 58mm (W) x 8mm (H)
Weight	20g

Download Data using USB



Press the STOP button for 5 secs to stop logging.
The red light flashes 5 times.
Take the logger out of the waterproof bag

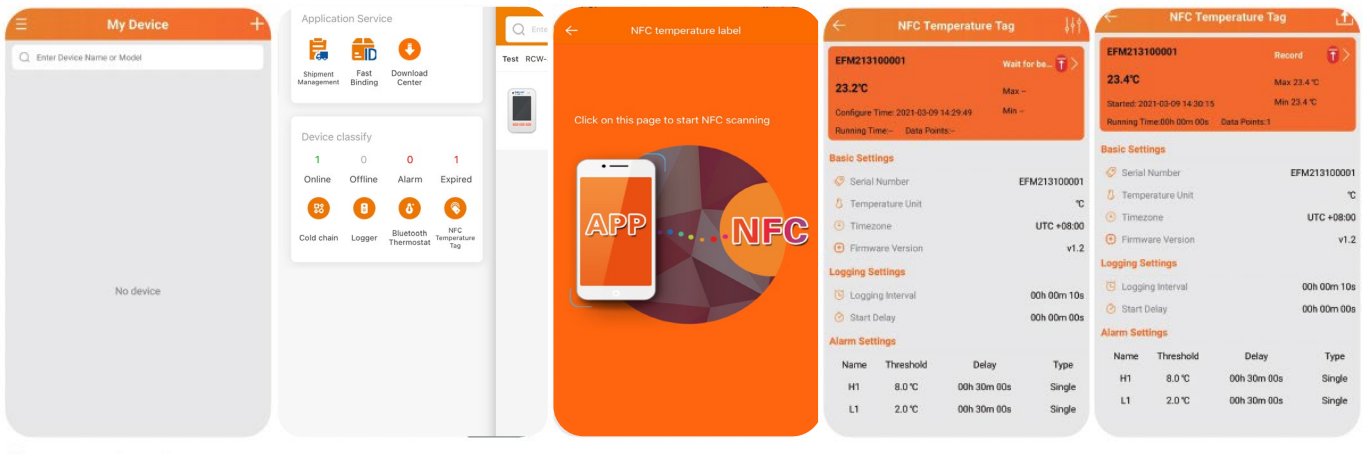
Press the device into the computers USB port to view the PDF data report.

Download Data using NFC function.

1. **Install and log in to the Elitech ICold APP**
   Use your mobile browser to scan the QR code or download and install the 'Elitech iCold' app through the mobile app center. Open the APP and follow the prompt instructions to register for a new account.

2. **Parameter setting**
   Click the navigation button in the upper left corner of the APP , select the NFC temperature tag label and then click on the NFC temperature label page ready to scan the device. Approach the device to view the data (enable the NFC function of the mobile phone).
   Click the !!! in the upper right corner to set the parameters. After the setting is completed, the mobile phone should be close to the data logger and click the 'OK' button to save the parameters (the parameters are only allowed to be set when the device is not recording).

3. **View and export data**
   When the phone is near the device, reading device data, click on the upper right corner !!! to select the desired report format to export data report.



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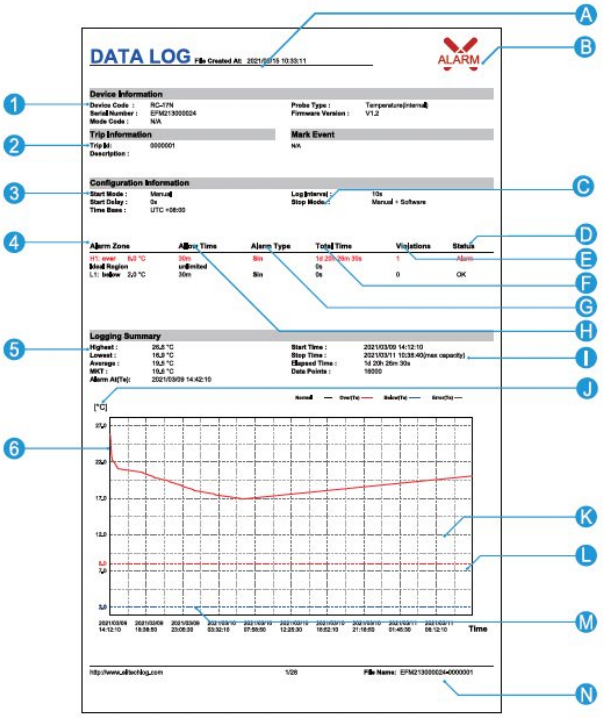
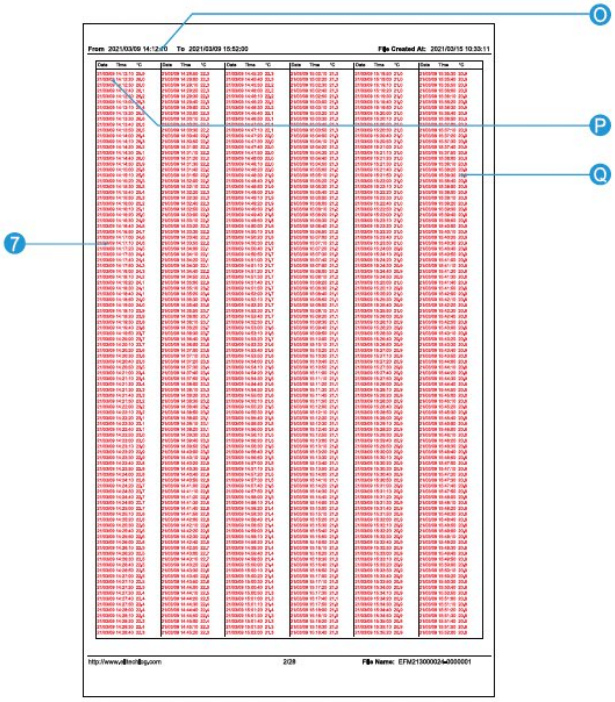
Report Content





1 Basic product information	**C** Set stop method	**K** Alarm threshold line (corresponding to item L)
2 Descriptions (customizable)	**D** Alarm status of D alarm section	**L** Alarm threshold
3 Configuration information	**E** Total number exceeds the alarm threshold temperature	**M** Record data curve Note: ultra-high temperature is red, ultra-low temperature is blue, others are black
4 Alarm threshold and related statistics		
5 Statistics	**F** The total length of time that the F temperature exceeds the alarm threshold	**N** File name (serial number + purpose description ID)
6 Temperature data graph		**O** Recording time range in the current page
7 Temperature data details	**G** Alarm delay and alarm type	**P** Record when P date changes (date + temperature)
A File creation time (stop recording time)	**H** Alarm threshold and alarm interval division	**Q** Record when Q date has not changed (time + temperature)
B Alarm indication (the content of the picture shows the alarm state)	**I** Stop time (actual stop method)	
	J Data curve graph ordinate unit	