

Your Chartlogger Z-90 Temperature Recorder provides many temperature monitoring and data archiving features to help you remain in compliance with HACCP and other food safety and quality control protocols.

Overview

Use Z-90 for continuous monitoring in cold storage rooms, warehouses, freezers, etc. Check the LCD at any time for temperature data. Download data from Z-90 at your convenience for permanent temperature record archiving and report generation.

Z-90 can be used to monitor multiple recording periods without the need to download data from previously recorded periods. For example, in a transportation application, the user could start Z-90 to monitor and record temperatures at the beginning of a multi-day trip. At the end of day 1, the user can check the day's recorded temperatures on the LCD. The user can then depress the **Clear/Restart** button which causes all data from Day 1 to be stored in memory, and a new monitoring/recording session begins. Current data is always visible on the LCD, while data from the previous recording period is stored internally for future download, viewing, and archiving on a computer.

Install KoldLink App desktop software

Z-90 is supported by Cargo Data's free KoldLink App software. This full featured app includes all Z-90 setup utilities and provides chart viewing, data archiving, and detailed management reports.

KoldLink App is available as a free download from www.cargodatacorp.com. Follow online instructions to download and install the software.

Z-90 Setup

Once KoldLink App desktop software has been installed, connect your Z-90 to your PC using the mini-USB 2.0 cable (provided). Open KoldLink App.

On the **Tools** Menu, choose "**Set up Chartlogger**". Once KoldLink App accesses your Z-90, you will have the ability to configure your Z-90 for use.

Alarm: you may enable or disable the red LED "out of range" alarm on the face of Z-90

Beeper: you may enable or disable the audible "out of range" beeper

Temp vs. Time: do not change the default "enabled" setting for this field

Duration: Choose how frequently you want Z-90 to sample and record ambient temperature

Ranges: Enter the optimal temperature range for your product. If range excursions occur, the LED alarm and audible beeper alerts will be activated (if enabled)

Location/name: Enter information here to help you identify your Z-90 (most helpful when you have more than one Z-90)

Once the above options have been selected, click on the "**Set**" button to finalize configuration of your Z-90. Once Z-90 is configured, the "**START**" button on Z-90 must be depressed to begin monitoring and recording temperatures.

Important Note: The Z-90 On/Off switch must remain in the ON position at all times to continue recording. If Z-90 is turned off, the data must be downloaded to computer and Z-90 must again be configured using the “**Setup Chartlogger**” utility as described above.

Recording Temperatures

To begin monitoring and recording temperatures, press the **START** button on the front panel of your configured Z-90. The Z-90 will continue to record until the STOP button is pressed and held for 3 seconds, until memory is full (approx 255 days), or power switch is moved to the **OFF** position.

Viewing Data Details on LCD

To view the temperature chart on the LCD, press **VIEW**, the immediately press **DETAILS** . Use the <- and - > buttons to scroll through the data. Press **DETAILS** again to view data in tabular format.

Begin New Recording Period

To begin a new recording period, press and hold **CLEAR/RESTART** button until “Data has been stored, New recording period STARTED” is displayed on the LCD. All temperature data for this new recording period will be viewable on the LCD. Data from the previous recording period(s) has been saved internally and will remain available for download, viewing, and archiving in KoldLink App software.

Get to Know Your Z-90

- LCD automatically dims after 30 seconds to conserve battery power
- Z-90 has three LEDs:
- Red LED next to the **VIEW** button blinks to indicate low battery power
- Red LED next to **START** button blinks when Z-90 has a download to PC in progress. Do not unplug Z-90 from your computer if this LED is blinking
- Green LED blinks when to indicate normal operation is in progress
- **F/C** switch on rear of Z-90 selects Fahrenheit or Celsius temperature scales
- **VIEW** button: Press VIEW to check status of your Z-90. Information displayed includes:
 - Battery condition (3 AA batteries located at rear of Z-90)
 - Last temperature sampled
 - Recording status: Logging/Stopped/Waiting for Start/Not Configured (needs PC setup)
 - Current programmed sampling interval
 - Total current elapsed recording time
 - Estimated available recording time

For technical support contact Cargo Data at:
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