RADIONODE®

Connect your sensor, Optimize your business

Heat Stress / Feels-Like Temperature Monitor

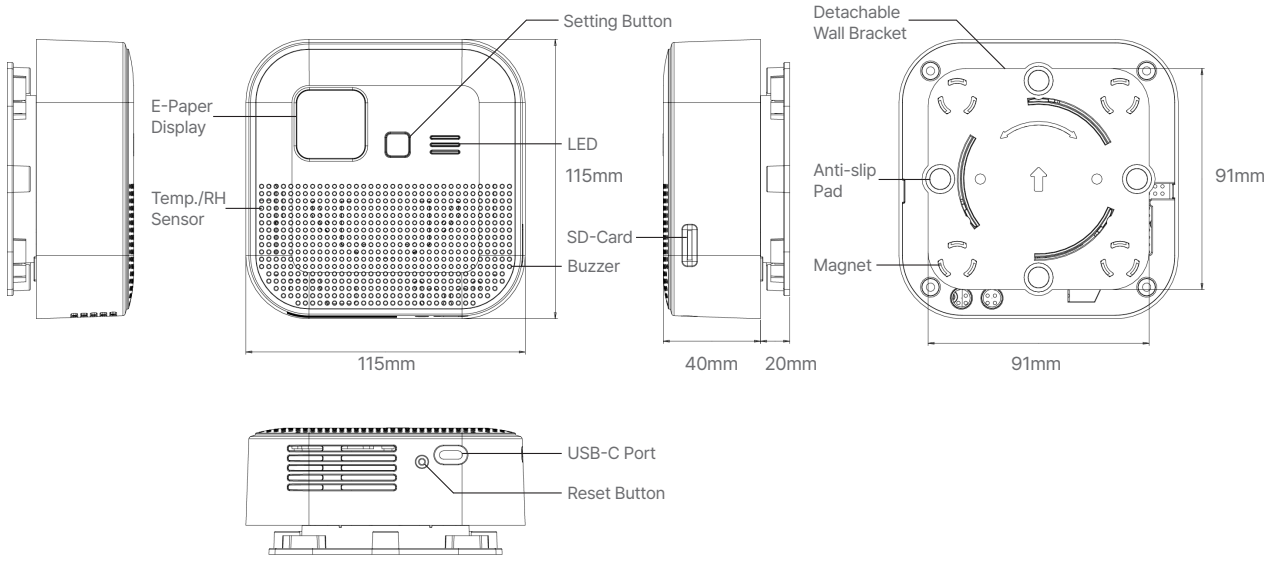
RN323-FLT

- Automatic Feels-Like Temperature Measurement
- 3-Stage LED Alarm (Normal / Caution / Warning)
- High-Output Buzzer + External Warning Light Support
- Auto Rest Record Logging with One-Button Operation
- E-Paper Display
- Long Battery Life (8,500mAh — up to 5 Years)
- MicroSD Card Auto-Logging (Daily CSV File Generation)
- Easy Installation with Magnet, Screw, or Stand Bracket



The RN323-FLT is a stand-alone heat stress monitor designed to automatically measure and record perceived temperature (based on KOSHA standards) along with temperature and humidity in indoor environments. It continuously tracks cumulative worker exposure time and triggers an audible alert when rest thresholds are exceeded. Workers can record break start and end times with the touch of a button, creating a legal compliance record without manual paperwork. All data is automatically saved to a daily CSV file on the built-in MicroSD card and can be submitted directly during workplace safety inspections. RN323-FLT is equipped with a large capacity 8,500mAh battery and operates for up to 5 years, eliminating battery-related data loss. The device supports external warning lights via contact relay outputs, allowing you to generate audible and visual alarms. Settings can be configured via the dedicated Radionode Setup Manager app (Android).

Hardware



Copyright©2026 DEKIST Co., Ltd.

RADIONODE®

Connect your sensor, Optimize your business

Heat Stress / Feels-Like Temperature Monitor

RN323-FLT Specifications

Item	Specification
Measurement Items	- Temperature (°C/°F) - Humidity (%RH) - Feels-Like Temperature (KOSHA Standard) - Cumulative Exposure Time
Temperature Range	-10 ~ 50 °C
Humidity Range	5 ~ 95 %RH
Accuracy	Temp: ±0.2 °C / Humidity: ±2 %RH
Material	PC, PS
Display	Electronic ink display (200×200 Pixel, 1.54 Inch)
LED Status	3-Stage - Normal (Green) - Caution (Yellow) - Warning·Rest Required (Red)
Buzzer	90dB, at 4.0KHz
External Warning Light (Option)	Contact relay output (Max. 24VDC, 1A) — activated simultaneously with buzzer alarm
Auto Data Logging	MicroSD Card (not included — sold separately)
Log Format	Daily CSV file - Timestamp, Temp, Humidity, Feels-Like Temp, Status, Cumulative Exposure Time, Rest Time
Logging Interval	1 min ~ 10 min (configurable)
Battery	3.6V(C-Type, 1EA) / 8,500mAh
Battery Life	Up to 5 Years
USB Port	USB-C (Configuration Port)
Buttons	1× Operation Button, 1× Reset Button
Installation Types	- Magnet plate & Screw wall mount (included) - Stand bracket (optional)
Dimensions	W115 × D115 × H40 mm
Weight	350 g (with battery)
Country of Origin	Republic of Korea
Manufacturer	DEKIST Co., Ltd.

*Do not install this product close to the floor for accurate measurement.

Application

- Civil engineering sites
- Manufacturing and factory production lines
- Logistics and warehouse facilities
- Agricultural greenhouses
- Any workplace subject to industrial heat stress regulations (Korea KOSHA Standard)

Product Components & Accessories

Componets	- RN323-FLT Main Unit (1EA) - C-Type Battery (1EA) - Wall Bracket — Magnet & Screw type (1EA) - USB-C Cable (1EA) - Safety Management Sticker (1 Set)
Accessories	- External Warning Light — Contact relay (built-in), 12V DC, 110 dB alarm + high-brightness LED strobe - Stand Bracket (Black) — Tabletop stand for flexible placement - KOLAS Calibration Certificate — Issued by an internationally accredited testing institution (KOLAS)

Basic Requirements

- Dedicated Configuration App:
  Radionode Setup Manager (Android only)
- Connected via USB-C cable for settings: time zone sync, °C/°F toggle, alert thresholds, logging interval, cumulative exposure limits

Contact Info.

- www.radionode365.com
- master@dekist.com

Certificate

Copyright©2026 DEKIST Co., Ltd.