

Temperature Monitoring (LAN)



Features

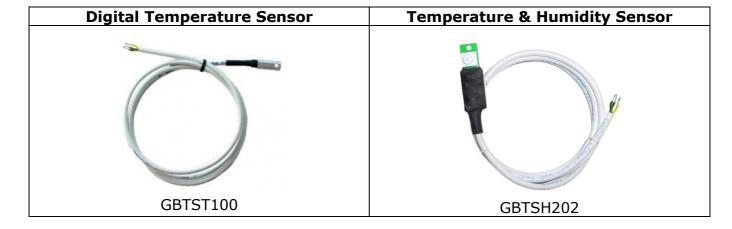
- Local Area Network (LAN) technology
- Up to 2 temperature or temperature & humidity sensors
- Setup via web browser interface
- Free App for remote monitoring
- Email alarm alerts to 1 recipient
- SMTP with authentication
- GBSM-122-02 with battery backup
- GBSM-122-03NC with battery backup and I/O
- Mains powered: 90-264 Vac
- Ingress Protection rating: IP55
- Mains Healthy LED

The GB Controls LAN Temperature monitoring panels can be used to monitor coldroom temperatures and send email alerts via a Local Area Network (LAN) connection. They come in 3 standard variants, the base model GBSM-122-01 with no battery backup, a mid-range model GBSM-122-02 with battery backup and a higher specification model GBSM-122-03NC with battery backup and digital input/output relays.

The relay outputs are activated from the status of the monitored temperature/humidity parameters which trigger a local output to a beacon/sounder. Only 2 sensors variables can be set to trigger the alarm relay output, but all sensors variables can be set to trigger email alerts, with deadband but no alarm delay.

The GBSM-122-03NC also has the facility for an alarm input via a volt-free contact, this can be connected to and external device or system, such as plant equipment to trigger both a local alarm and an email alert. This unit also has connections for a remote silence keyswitch.

A mobile application is available for Android® and Apple® based devices for remote setup, monitoring and control.







GBSM-122-01 Specifications

Dimensions: 230mm wide x 310mm high x 130mm deep

GBSM-122-02 Specifications

Dimensions: 230mm wide x 310mm high x 130mm deep

Battery Power Reserve 4 Hours

GBSM-122-03NC Specifications

Dimensions: 310mm wide x 390mm high x 130mm deep

Battery Power Reserve 4 Hours

Inputs/Outputs

Switched Input Voltage/Current 12V dc / 20mA Beacon Output Voltage/Current 12V dc / 100mA

GBSM Common Specifications

Physical

Material: Polycarbonate, Light Grey RAL7035

Ingress Protection: IP55 to EN 60529 0°C to +50°C Unit Operating Temp:

Supply

Supply Voltage: 90 - 264 Vac / 47 - 63Hz

1.0 A AC Current (typical at 230V):

GBTST100 Digital Temperature Sensor Specifications

Sensor Head Dimensions: 8mm x 8mm x 23mm long

Cable: 1m silicone cable (extendable to 10m max.)

Ingress Protection: IP65 to EN 60529

Supply Voltage: 3V-5.5Vdc

Temperature Range: -40°C to +85°C

Accuracy -10°C to +85°C: ±0.5°C Accuracy -40°C to +85°C: ±2.0°C

12 bit/ 0.0625°C Resolution:

GBTSH202 Temperature & Humidity Sensor Specifications

Sensor Head Dimensions: 16mm x 10mm x 45mm long

Cable: 1m silicone cable (extendable to 10m max.)

IP00 to EN 60529 Ingress Protection:

4V-5.5Vdc Supply Voltage:

-10°C to +60°C Temperature Range: **Humidity Range:** 20% to 80% RH ±0.4°C / ±3.0% RH Accuracy: 0.1°C / 0.1% RH Resolution:

GBSMB2 Iss.1

