8 Channel Temperature Data Logger

Features

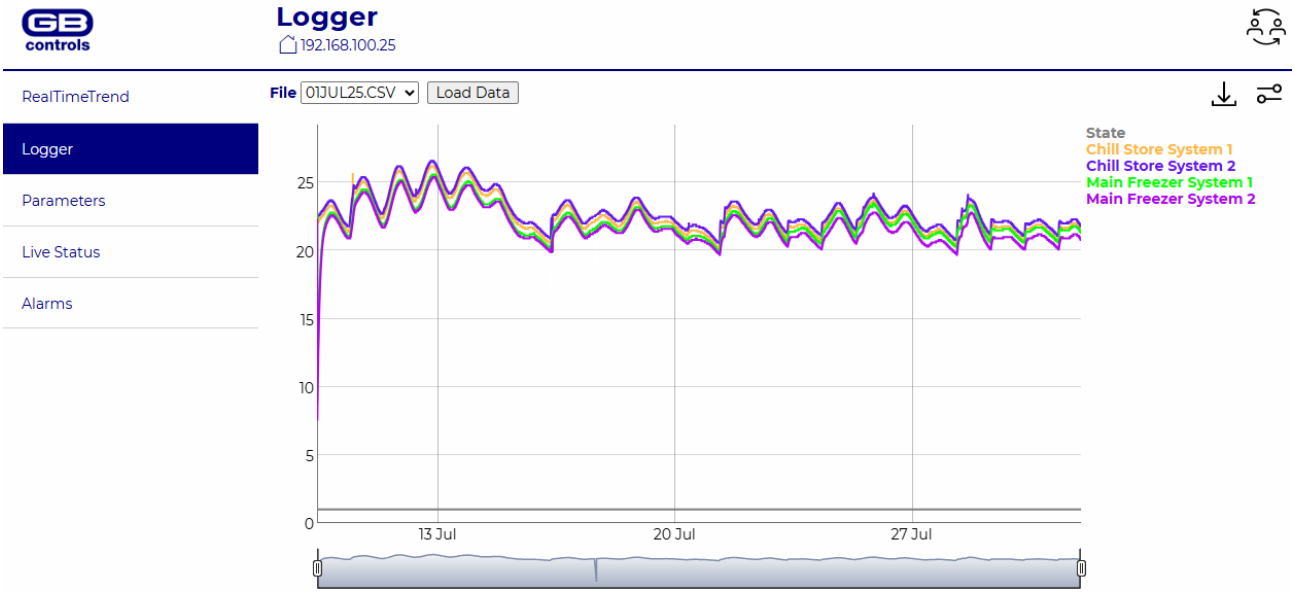
- Up to 8 temperature probes
- Adjustable logging period
- Web based user interface
- Built in HMI
- Temperature alarms with adjustable delays
- Volt-free alarm output for connection to BMS systems
- Mains powered: 90-264 Vac
- Ingress Protection rating: IP65

The GB Controls 8 Channel Temperature Data Logger can be used to monitor and log coldroom temperatures. Using the built in web server users can access the logged data and produce real time trend graphs, the logged data can also be downloaded in .CSV format for further analysis in programs such as Microsoft Excel.

Multiple parameters can be set via the web server such as probe names and alarms, including alarm delays. Other more advanced parameters such as IP address, logging intervals, start/stop log and SD card management are assessable via the built in HMI. The logged data can also be transferred to a FAT32 formatted USB stick directly from the controller using the USB storage wizard on the built in HMI, without the need to access the web server.

The web server can be accessed over the network with remote connectivity possible by assigning the logger an external IP address or using a 4G router (sold separately).

The relay outputs are activated from the alarm status of the monitored temperature parameters which trigger a local volt free output. Each sensor has its own temperature alarm limits with adjustable delay.



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Temperature Sensor
 SN8DED11502C0

GBDL-EPC-8CH Specifications

Physical

Dimensions:	210mm wide x 215mm high x 105mm deep
Material:	Polycarbonate, Light Grey RAL7035
Ingress Protection:	IP65
Unit Operating Temp:	0°C to +40°C

Outputs

Alarm Volt Free Output	DO3: relay SPDT 3A 250 V Resistive Load

Supply

Supply Voltage:	90 - 264 Vac / 47 – 63Hz
AC Current (typical at 230V):	0.2 A

SN8DED11502C0 Temperature Sensor Specifications

Sensor Type	NTC 10K
Sensor Head Dimensions:	5mm x 5mm x 20mm long
Cable:	1.5m Thermoplastic rubber
Ingress Protection:	IP68
Temperature Range:	-50°C to +110°C
Accuracy:	±1°C

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