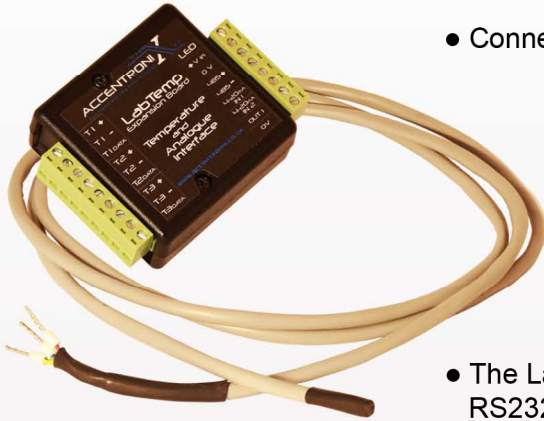


LabTemp Expansion Board



- Connect up to 3 digital temperature probes and two analogue inputs.
- High/Low sms alarms can be set-up on the website.
- Temperature Logs and events can be viewed and downloaded off the website.
- Temperatures can be requested via sms.
- The LabTemp Expansion Board connects to any Cellswitch through our RS232 to 485 converter.

TEMPERATURE MONITORING

Inputs:

- 3 x Digital Temperature Probe Inputs (-90 to 105°C)
- 2 x Analogue Inputs (4-20mA)

Digital Temperature Probes:

- 1% Accurate over -55 to 105°C range and can measure down to -90°C
- Temperature probe lengths can be up to 100 meters long.
- Only **Accentronix Digital Precision Temperature Probes** can be connected to the LabTemp.

RS232 to 485 converter board:

- This board connects the Cellswitch to the LabTemp Expansion Board.
- Maximum cable length: 1000meters



RS232 to 485 Converter

CONNECTIONS

- 1.) Connect the Cellswitch to the RS485 board with the supplied ribbon cable - Make sure of the orientation of the connector plugged into the Cellswitch that it lines up with the key printed on the pcb.
- 2.) Connect the [+V] [0V] [+485] and [-485] of the LabTemp to the corresponding [+V] [0V] [+485] and [-485] terminals of the RS485 Converter with normal panel wire (or comms cable if running a distance).
- 3.) Supply power to the LabTemp by connecting the [+Vin] and [0V] terminals of the LabTemp to the Cellswitch power terminals.
- 4.) Connect the Digital Temperature Probes to the LabTemp [T+]=Red [T-]=Blue [Tdata]=Yellow.
- 5.) Temperature probe cables can be extended with normal 4-core comms cable up to 100 meters.

SETTING UP THE SYSTEM

- 1.) Enable the LabTemp I/O Board in General Setup on the website.
- 2.) Go to the LabTemp Tab and set the trigger levels and alarm sms messages.
- 3.) The Temperature data will be sent to the website whenever the device re-boots or by default every 60 minutes.
- 4.) The temperature logs and events can then be viewed online or downloaded in .csv format.

