

5.1~USB CONFIGURATION

Using the USBSpeedLink software to program a new configuration into the device work from left to right through the option tabs.
The USB port is located inside the housing on the rear panel.

Configuration steps
Install and run the USBSpeedLink software
Select the correct programming page in the software (follow any on screen safety precautions)
Connect the USB lead to the PC, connect the USB lead to the device
Read the unit configuration into the software
Re-configure or adjust configuration options as required
Send the new configuration to the unit

5.1.1~Sensor option tab

Use this tab to pre-set RH and temperature values; this can be used for system testing and diagnostics.

5.1.2~Relay tab (showing live readings in the "Data" section)

Use this tab to set the relay controls.

Relay options for %RH, temperature, dew point and delta t. source	
Set point	Dead band
Low alarm	Low control (inverted low alarm)
High alarm	High control (inverted high alarm)
Alarm inside band	Alarm outside band
Low battery alarm	Alarm off
A diagram will display to show alarm type function	

5.1.3~Basic display options tab

Use this tab to select the display value options, °C or °F and LED function



MULTIFUNCTION ALERT LED

The alert LED normal state is off, on alert the LED will emit an intense white light pulse every 5 seconds. The LED can be programmed to pulse on any of the following combined events:

Mode	Description
No events	The LED never operates, extending battery life. (Factory default setting)
Battery	Alert on low battery detect.
Trip	Alert when relay trip is on.
Temperature	In advanced mode only the alert LED can be made to alert in any one of eight user-set temperature bands. Example, to alert operator when temperature is outside a safe operating range. The function of the alert LED can be further enhanced with the option of displaying an alert message in advanced display mode.

5.1.4~Advanced display options tab

Use this tab to set up the advance messaging options.

5.1.4~Advanced display options tab (continued)

6 user set ranges/bands can be set for either %RH, temperature, dew point or delta t. Each range can have 1 or 2 messages assigned that will display on the screen when the input source signal is within the set band. Also, the LED can be set to flash, within the selected range.

Up to 7 user messages can be entered or pre-set messages can be used.

Relay in or out of alarm trip can also be used to prompt specific messages to be displayed.

5.1.5~Other display options tab

Use this tab to set the "Tag" and "Contact" free type fields stored to the device. A passcode to protect the device log from being overwritten by an Android device can be added.

Longitude and latitude data can be entered, this will show in the log files and can help identifying data logs recorded from multiple devices.

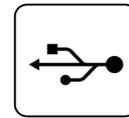
6~DATA LOGGING

USB and Android NFC software allows the user to read existing logs, change the log manifest, start a new log, synchronise the instrument clock and reset the maximum/minimum readings.

Logs can run to a fixed number and stop or continually roll over, up to 5000 log points can be recorded. The start of the log can be delayed up to one month.

Data from can be viewed on screen as a graph or table and can also be saved to a csv file.

6~1 USB LOGGING



USB LOGGER INTERFACE (connector inside housing)

The USB interface allows the instrument to communicate with a PC running the USBLogLink software

The prime function of the interface is to read logged data from the device using free software available to download.

The software allows the user to read existing logs, change the log manifest, start a new log, synchronise the instrument clock and reset the maximum/minimum readings.

USBLogLink is available from the manufacturer or supplier.

USB LogLink software

6~2 NFC LOGGING



NFC LOGGER INTERFACE

The NFC interface allows the instrument to communicate with an Android device using NFC connectivity.

The prime function of the interface is to read logged data from the device using a free app, which is available for downloading to Android devices.

The app allows the user to read existing logs, change the log manifest, start a new log, synchronise the instrument clock and reset the maximum/minimum/average readings. Logs can run to a fixed number and stop or continually roll over, up to 5000 log points can be recorded. The start of the log can be delayed up to one month.

Note: For larger logs the data may take over a minute to fully download via the NFC interface.

Note: Not all Android devices fully implement the near field communication (NFC) standard and may not hold the full 5000 log points.

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