

2. TRANSMIT/RECEIVE - Symbol on when either NFC or USB communication is active.

3. USB - Symbol on when USB port is connected to a PC. Please note battery is not required during configuration.

4. LOG and 6. BAR GRAPH – These two symbols indicate the state of the lo the selected logger mode either single or rolling m

Single Mode (Log to the maximum number of logs then stop)	Start of Log	Mid Log	End of Log (alternating)
LOG - symbol off when not logging. On when logging. Flashing when full BAR GRAPH - Indicates the log volume	ı	┍╼╼═╡	
Rolling Mode (Log to the maximum number of logs then as each new log is taken th	e oldest log is discarded)		
LOG - symbol off when not logging. On when logging. Flashing when full BAR GRAPH - Indicates the log volume Toggling on/off when log has rolled over.	Start of Log	Mid Log	Log Rolled over (max bar toggles)

5. Not used, main display will toggle "lo batt" as warning.

6. BAR GRAPH see 4.

DISPLAY

7. DEG – When the temperature display option is selected, degree Symbol used to indicate either °C or °F on the last digit.

8. DIGITS - Six digit 14 segment display with - sign, range 999999 to -999999. Advanced mode offers two process dependent 32 character message options.

9. WARNING ICON - This symbol will toggle on and off to indicate a warning. The warning symbol will be active either when the sensor signal is out of range, not connected or when the battery is low.



MULTIFUNCTION ALERT LED

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

operator when the

Mode	Description
No events	The LED never operates, extending battery life. (Factory default setting)
Battery	Alert on low battery detect.
Trip	Alert when relay is on.
Process	In advanced mode only the alert LED can be made to alert in any one of eight user set process bands. Example to alert
	process 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.



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.



USB LOGGER INTERFACE (connector inside housing)

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

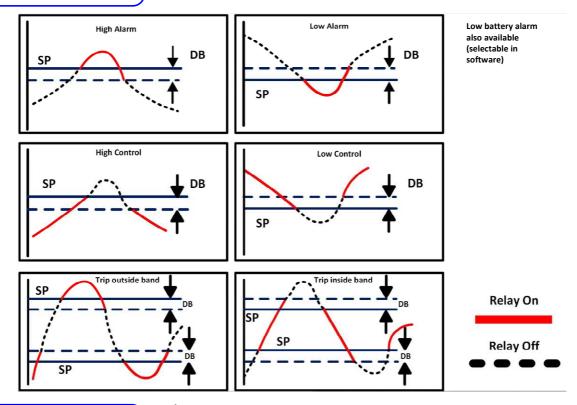
The prime function of the interface is to read logged data from the device using free software available to download.

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/average readings.

USBLogLink is available from the www.status.co.uk

Note *1 The time stamp requires the instrument real time clock time date to be maintained when the battery is replaced (no summertime daylight saving function is enabled), this can be done via the NFC interface app or the USB configuration software.





GENERAL RECOMMENDATIONS

The instrument is a high accuracy digital pressure meter. In order to ensure correct operation the following must be observed:-

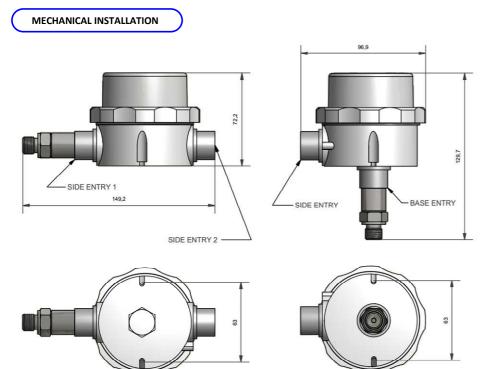
- The product must be stored in a dry clean environment and remain in original packaging prior to installation.
- The instrument must not be installed adjacent to electro mechanical starters, controllers, thyristor power units or electrical switch gear.
- Any cleaning of the instrument must be done using a mild detergent and soft cloth. No solvents or abrasive cleaners should be used.
- Any external cable entries must be sealed to at least IP65 rating.
- Stated ambient operating conditions must not be exceeded. Battery life will reduce with higher ambient temperature operating conditions.

ELECTRICAL CONNECTIONS

For a wiring diagram please refer to the rear panel of the DM650PM inside the housing.

2 part connectors are used for the relay connections and a ribbon connector for the sensor connector, allowing the unit to be easily removed from the housing for reprograming or data download if this is not possible in situ.

Ensure correct polarity on reconnection.



The enclosure must be sealed to at least IP65 rating to ensure correct operation of the electronics. Care must be taken when installing assembly to ensure the stated ambient operating conditions are not exceeded. Material Enclosure Stainless steel. Front panel membrane polycarbonate.

The data in this document is subject to change. Status Instruments assumes no responsibility for errors. D2612-01-01 DM650PM User Guide