# TECHNICAL BULLETIN

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| **BBTB Date:** | **26 Jan 2017** |
| **BBTB Number:** | **BBTB-002** |
| **BBTB Title:** | **BVSMP External Temp Sensor** |
| **System Description:** | **Vigil 2 Voice Alarm** |
| **Product(s) Affected:** | **BVSMP & BVSMPLT** |
| **Reference:** | **ECR3122** |
| **Priority:** | **2** |

**1 - Essential:** Action is Recommended

**2 - Important:** Product Form / Fit / Function has been changed (may affect compatibility)

**3 - General:** For information / reference

**4 - Obsolescence:** Notification of Component or Product Obsolescence

## DESCRIPTION

Release of new version of BVSMP & BVSMPLT.

## FEATURE CHANGES

Addition of external temperature sensor to improve battery charging performance.

## DEFECTS FIXED

None.

## COMPATIBILITY

If installed in Legacy systems an additional temperature sensor (included with BVSMP/LT) will need to be installed and potentially Impedance DIL switch settings changed.

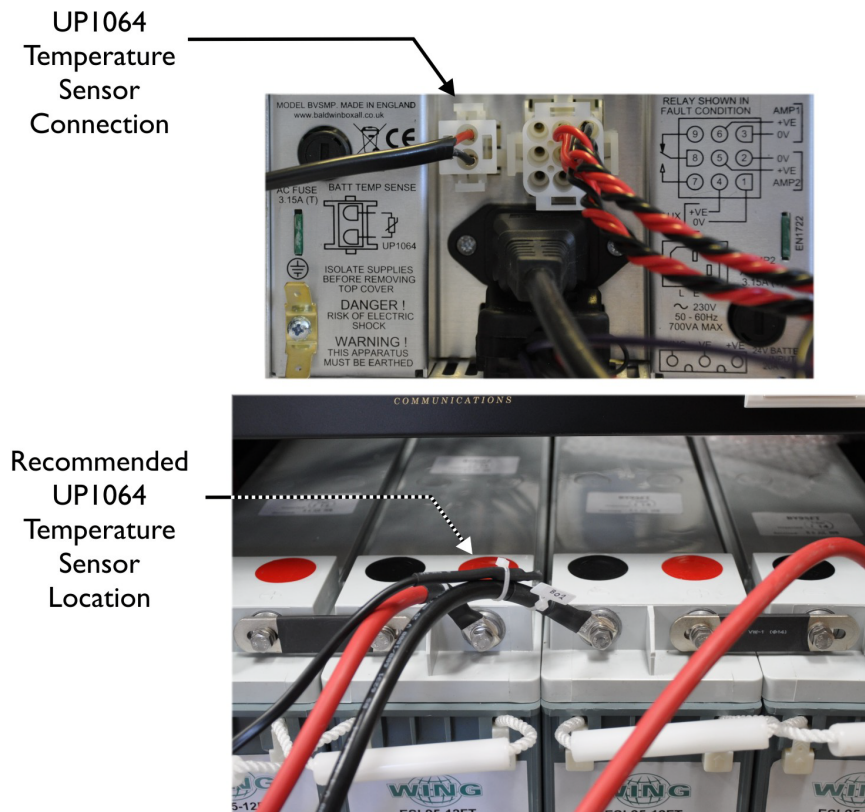There are 4 major revisions of BVSMP all of which are backwards compatible.

> *Note:*
> *The External Temperature Sensor must be connected. If the External Sensor is not connected the Charger will be disabled and the BVSMP will display a fault.*

If replacing a previous version of BVSMP please refer to the following table:

| MK1 BVSMP (No DIL SW) | MK2 BVSMP (with Impedance DIL SW) | MK3 BVSMP (with DIL SW and External Sensor & White Crimp connector) | MK4 BVSMP (as MK3 but with blue screw connector) |
|---|---|---|---|
| If replacing the BVSMP in the shaded cell, follow the instructions that correspond with the replacement version | | | |
| Original "Legacy" Version | Set DIL SW to "ON" | Set DIL SW to "ON", fit Sensor to Battery Lead and plug into BVSMP/LT rear | Set DIL SW to "ON", fit Sensor to Battery Lead and connect Thermistor to blue block |
| n/a | Default State - Set DIL SW to "OFF" | Set DIL SW to "OFF", fit Sensor to Battery Lead and plug into BVSMP/LT rear | Set DIL SW to "OFF", fit Sensor to Battery Lead and connect Thermistor to blue block |
| n/a | n/a | Default State - DIL SW "OFF", Sensor connected | Set DIL SW to "OFF", cut off white connector, strip back insulation & connect to screw connector |

*Figure 1 — Illustration showing typical location for External Temperature Sensor (UP1064)*

UP1064 Temperature Sensor Connection

Recommended UP1064 Temperature Sensor Location



*Note:*
*Polarity of external temperature sensor not important. Temperature sensor should be affixed to battery negative connection close to the batteries.*

Please refer to the "BVSMP LT Installation Manual" that can be found at www.baldwinboxall.co.uk for full installation details.

## Customer Services Contact Details

For further assistance with any aspect of this Technical Bulletin please contact:

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