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Health and safety

Every effort has been made to ensure the accuracy of the information given in our publications, but in accordance with our policy of continually improving our products we reserve the right to modify designs and specifications whenever necessary. All equipment is designed to conform to relevant British and International standards. Every care is taken to ensure that, as far as reasonably practical, it will perform without risk to health. It is essential that accepted codes of professional practice are followed in the assembly, installation and commissioning of the equipment. If in doubt with respect to any of these instructions, please consult Dorman before installing the device.
Dorman reserves the right to vary any component part to meet the required specifications without prior notice.

Certificate No. FM 14371

Dorman ref. No C64.63755 iss3

Semaphore Battery Box
Installation Instructions

To be read before commencing Operation

ALWAYS TURN OFF ELECTRICITY SUPPLY BEFORE COMMENCING WORK

General.

In general before commencing assembly, any local safety requirements affecting the safe working environment of the signalling installation either directly or indirectly should be carried out.

Battery Box Post Mounting Instructions

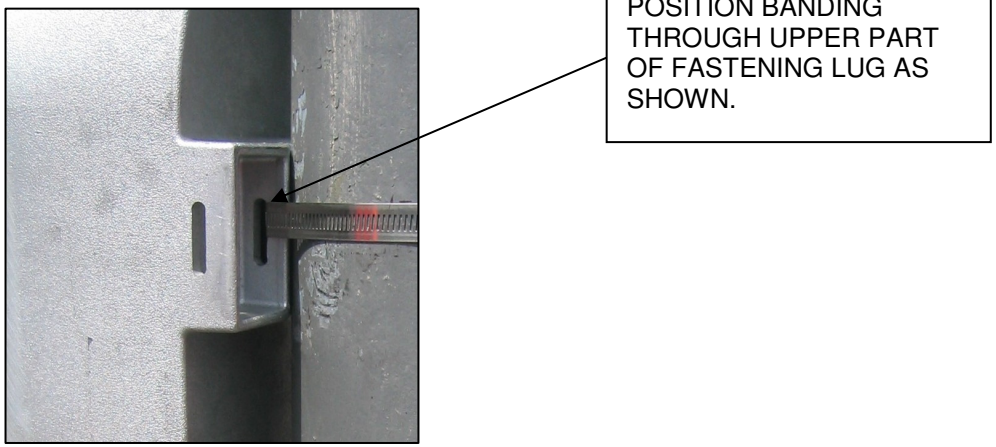
The Battery Box assembly should be mounted on posts using approved Network Rail banding equipment.

The box has two mounting channels situated at the rear of the main enclosure.

The two banding straps should be fed through the inner fastening lugs to suit a maximum post diameter of 300mm (12 inches). Ensure the straps are positioned at the top of the fastening lugs (see fig.1)

When box position has been determined, the two banding straps can then be tightened and secured.

Ensure enclosure does not interfere with any mechanical operation of existing signals.



Battery Box Mounting on Flat Surfaces

If the Battery Box is required to be mounted on a flat surface, the enclosure includes three pilot-hole positions to enable the installer to use as a template for drilling purposes.
The recommended fixing hardware to be 8mm.

Connection of Semaphore Signal

The battery box can supply a maximum of two Semaphore signals.

The cable(s) from the Semaphore(s) should be run down to the bottom of the enclosure and terminated through its own cable gland into the terminal block area.

The connections, based on the Dorman Universal Semaphore unit, are as follows:

A1	Positive feed (Brown)	Upper Battery LH Terminal Block
A2	Negative feed (Blue)	
A3	Proving +ve (G/Y)	
A4	Proving –ve (Black)	
B1	Positive feed (Brown)	Lower battery RH Terminal Block
B2	Negative feed (Blue)	
B3	Proving +ve (G/Y)	
B4	Proving –ve (Black)	

Do not remove any un-used glands; these should remain on enclosure complete with gland plug (supplied).

Replacement of Batteries

Unlock main enclosure, remove battery case and remove plug.
Release battery case lid by prising clip open and replace the two Air Alkaline Batteries.
Connect plug and replace battery case into main enclosure.

Specification

Part No.	SSM/WW/BB
DC Supply:	2 x DAAB 50 Air Alkaline Batteries (Two sets Upper & Lower)
Weight:	14kg (incl. batteries)
Product Acceptance Number:	PA05/03100
Compliant with:	Network Rail Company Standard NR/SP/SIG/10071
PADS Number:	086/009190
Replacement Air Alkaline Batteries:	054/128366
Replacement Battery Case:	054/003081

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