

Cello 6 'V2' - Non I.S. (North American) User Guide

Document no. UG5Q3Q04 Rev. A

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Series: *Cello 6 'V2' - Non I.S.*

Designation of equipment: *General purpose wireless ('GSM') data logger.*

Technolog works order no.: _____

Customer order no.: _____

*The equipment designated conforms with the requirements of Technolog generated build information:
Manufacturing data pack, TP5Q3Q00 assembly & testing - Rev. _____*

Q.A. representative signature: _____ Date: ____ / ____ / ____

BASIS OF SELF ATTESTATION: *Quality Management System meeting the requirements of ISO 9001 & Annexes IV & VII of European Directive 94/9/EC.*

THIRD PARTY APPROVALS: *This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.*

This equipment complies with FCC radiation exposure limits set forth for use in a General Population / Uncontrolled environment. This equipment should be operated with a minimum distance of 20cm between the radiator and your body.

FCC identifier: XUVC6V2D.

INSTALLATION GUIDELINES: *Installation shall be carried out in accordance with the applicable code of practice by suitably trained personnel.*

SPECIAL CONDITIONS OF USE: *Use of any battery pack other than that supplied and / or specified by the manufacturer will invalidate applicable warranties.*

ENVIRONMENTAL CONSIDERATIONS: *The Cello 6 V2 product should not be disposed of as unsorted municipal waste and should be collected separately in order to facilitate correct and environmentally sound treatment and recycling. Where possible the product should be returned to the manufacturer, or their authorised agent, for disposal. However where this is not possible, prior to disposal your local waste disposal authority should be contacted regarding any regulations that may be in force at the time covering waste disposal procedures in relation to waste electrical and electronic equipment.*

The battery pack contained within the Cello 6 V2 must not be disposed of as unsorted municipal waste and must be collected separately in order to facilitate correct environmentally sound treatment and recycling. Prior to disposal your local waste disposal authority should be contacted regarding any regulations that may be in force at the time covering the disposal procedures in relation to Lithium Sulfuryl Chloride cells. Refer to the battery manufacturer's Material Safety Data Sheet ('MSDS'), available from Technolog, for further details of battery safe use and disposal guidelines.

Signed for & on behalf of:
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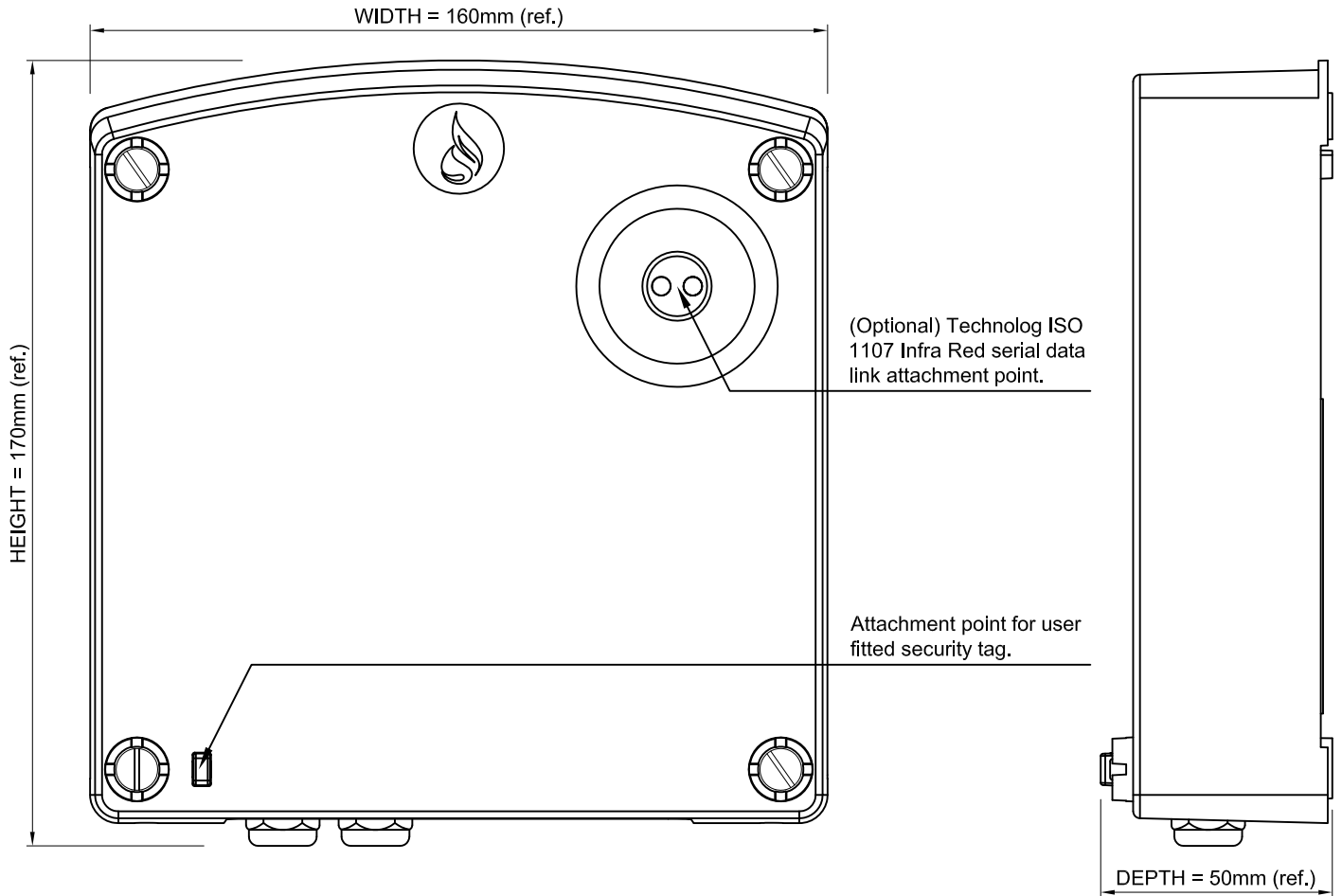
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Enclosure dimensions - no mounting bracket

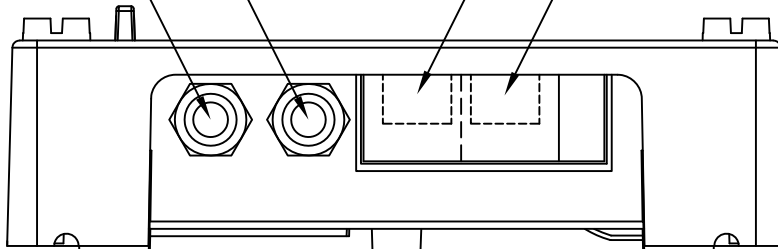


Glanded cable entry - User input termination J4 CH2 'INPUT' & 'TAMP'.

Glanded cable entry - User input termination J3 CH1 'INPUT' & 'TAMP'.

(Optional) RJ11 - User replicated output termination J5 'ISO O/P1' (supplied covered by a protective label).

(Optional) RJ11 - User replicated output termination J6 'ISO O/P2' (supplied covered by a protective label).



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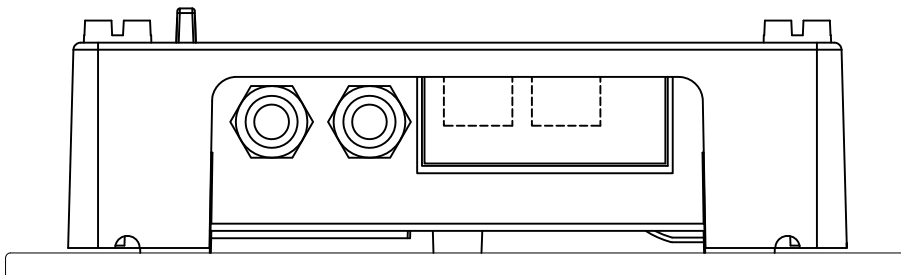
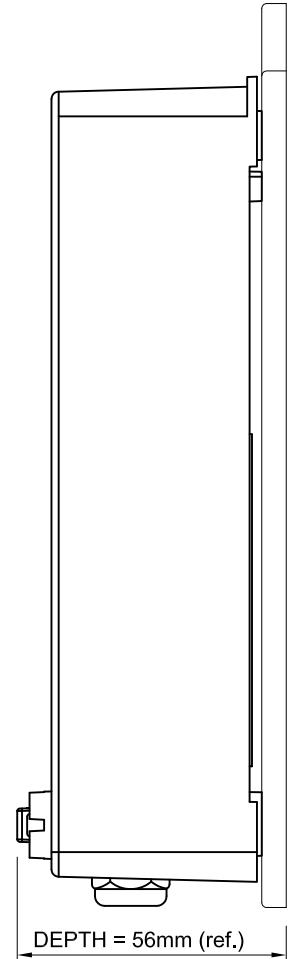
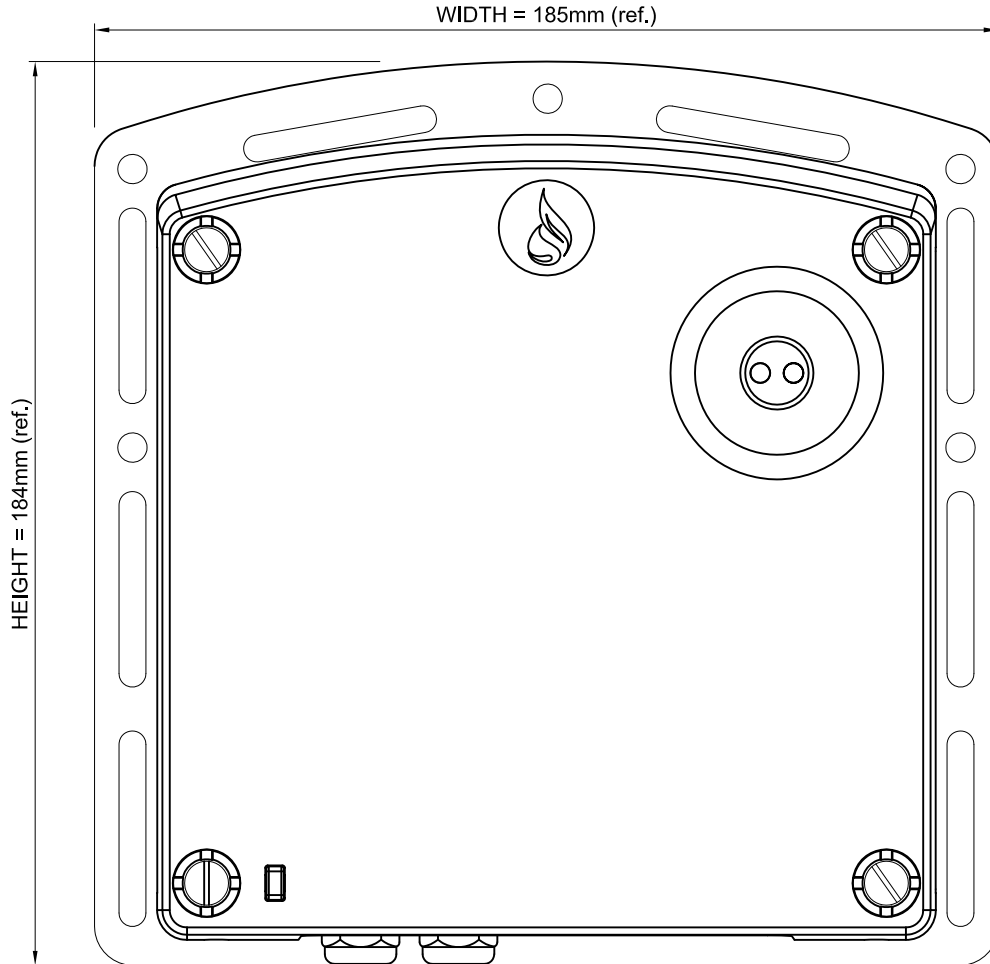
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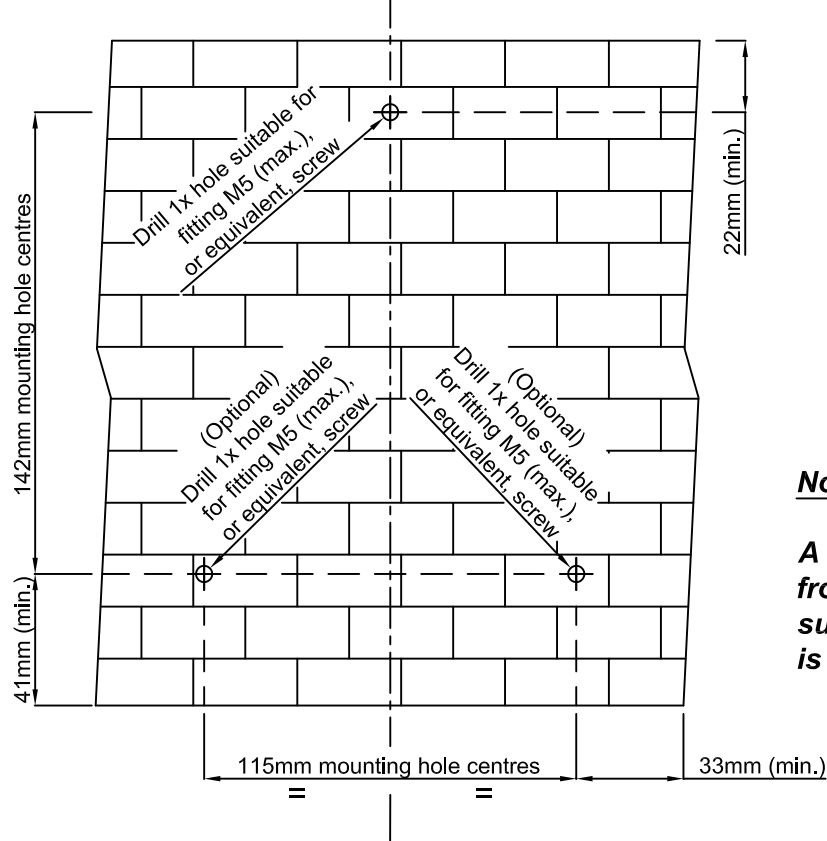
Enclosure dimensions - optional mounting bracket fitted





Mounting the Cello 6 'V2' - using the integral holes provided (no mounting bracket).

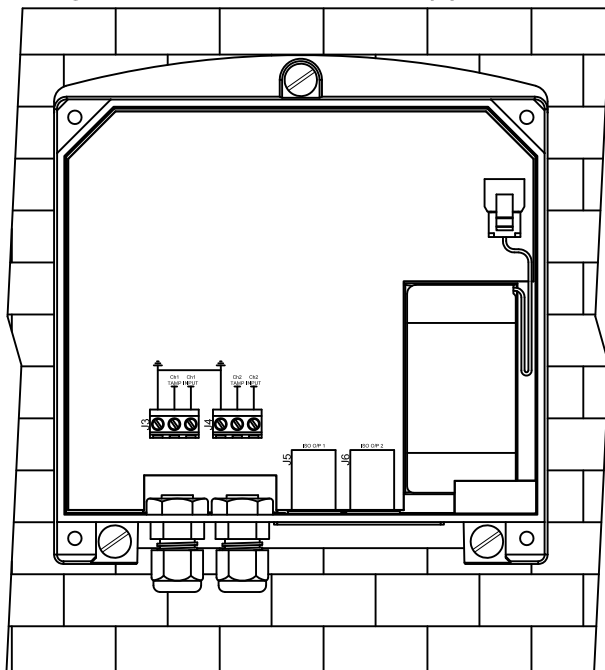
1) Drill the mounting hole(s)



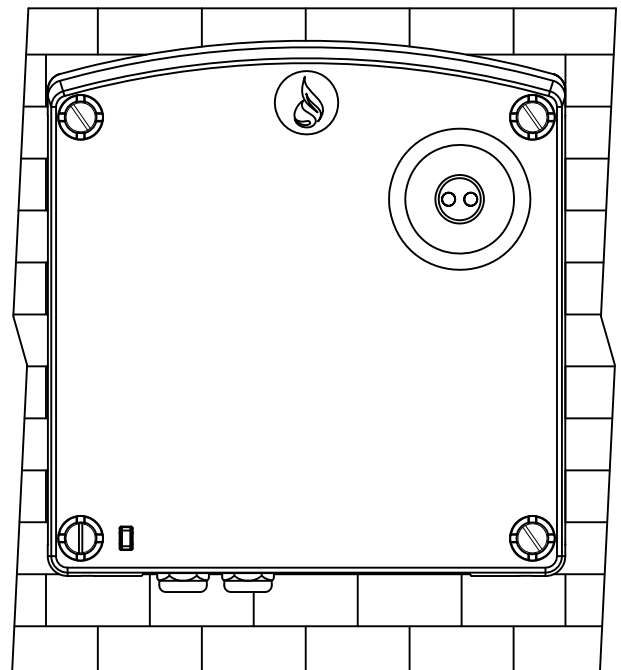
Note

A minimum depth from the mounting surface of 55mm is required.

2) Remove the lid & screw the base in place using M5, or equivalent screw(s).



3) Refit the enclosure lid.



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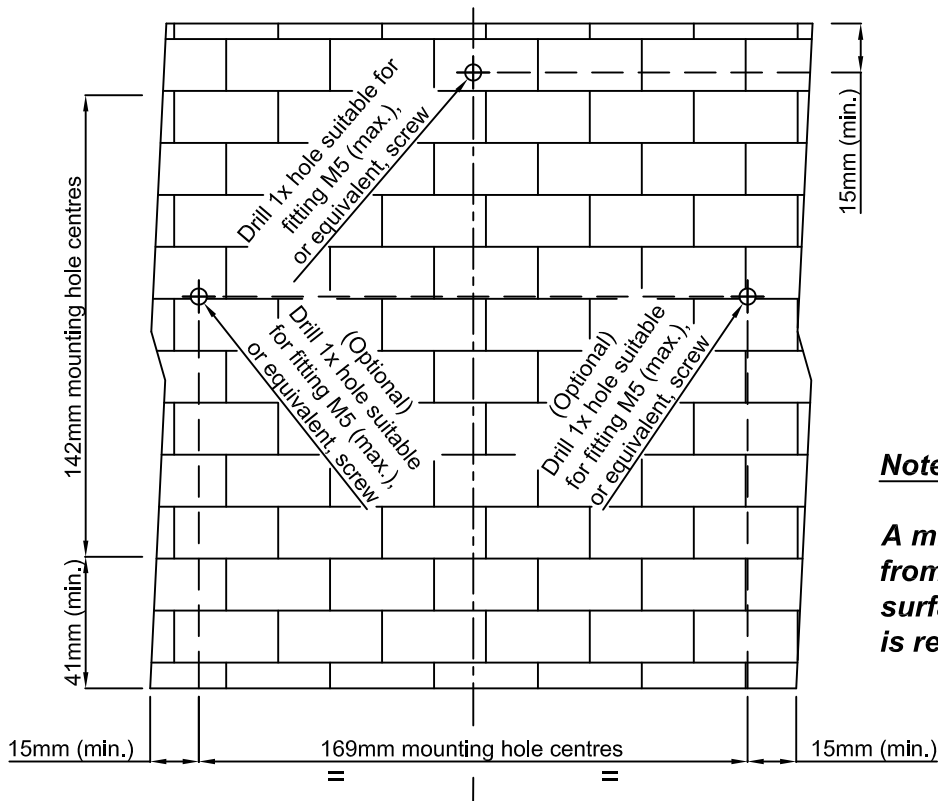
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Mounting the Cello 6 'V2' - using the optional mounting bracket.

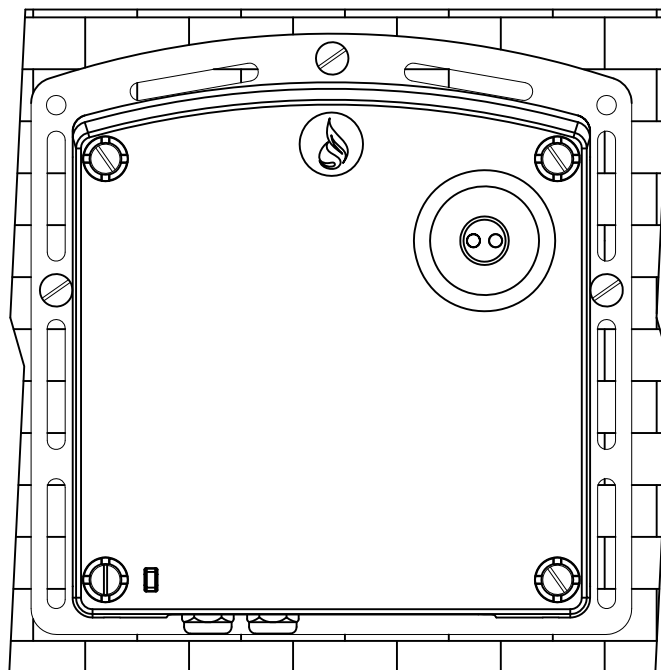
1) Drill the mounting hole(s)



Note

A minimum depth from the mounting surface of 61mm is required.

2) Locate the enclosure mounting bracket and secure in place using M5, or equivalent, screw(s)



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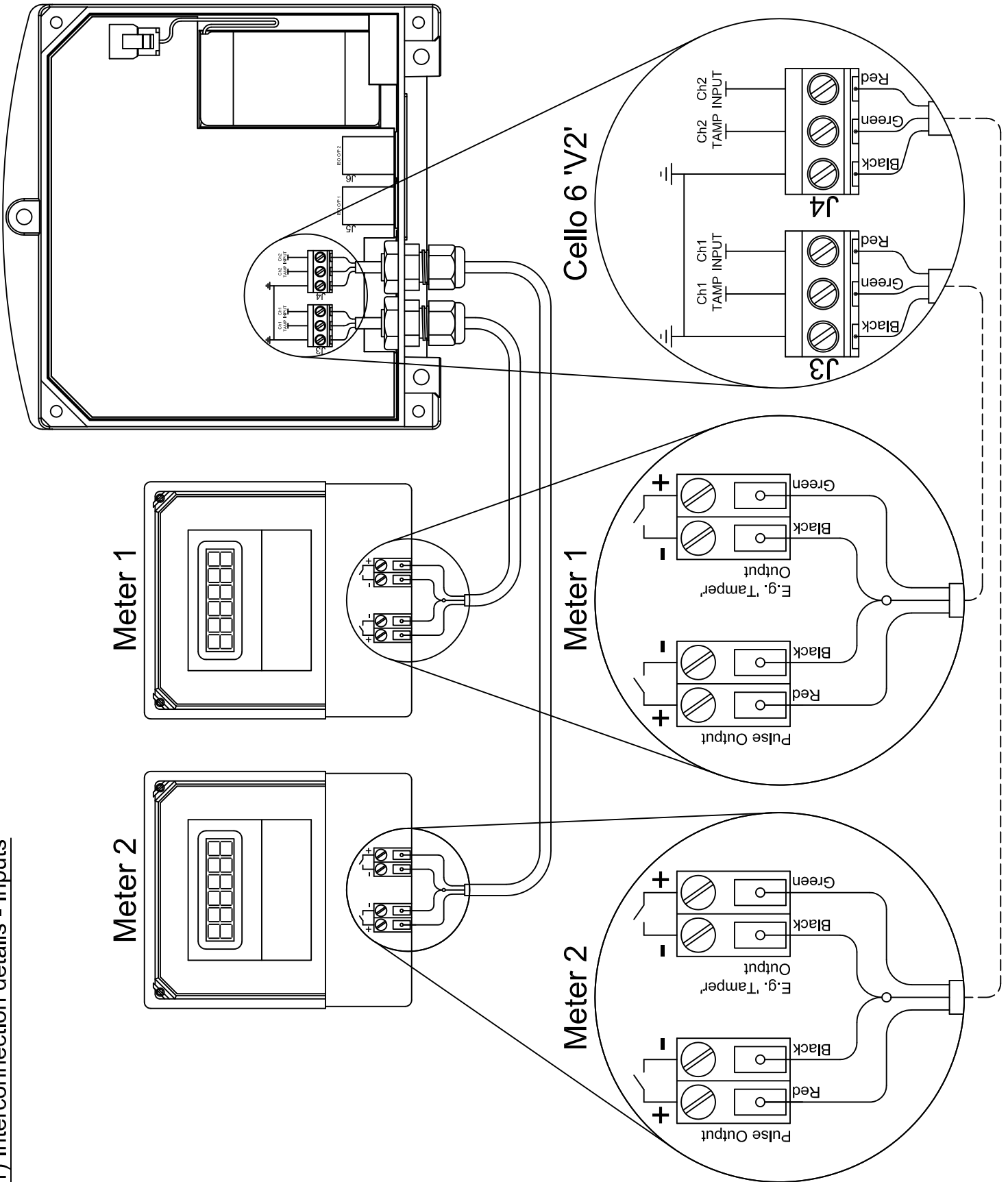
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1) Interconnection details - Inputs



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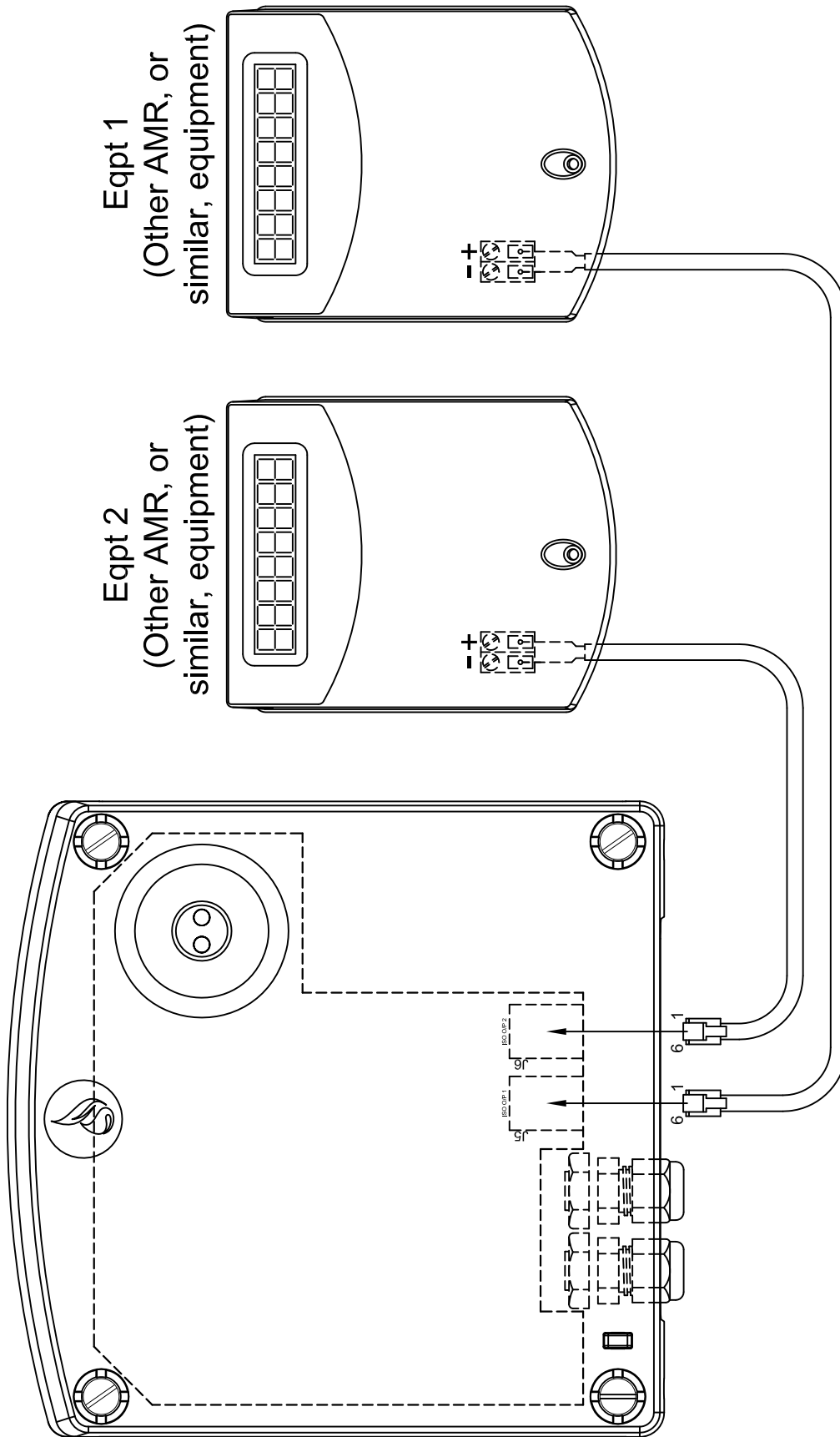
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2) Interconnection details - Output connection to other AMR, or similar, equipment.



Notes

- 1) Connection to either of the user isolated ('Replicated') output terminations, Ports J5 & J6, is achieved using separate pre-wired FCC68 (RJ11) type connectors where Pin 3 = '+' & Pin 4 = '-' with the remaining 4 Pins being unused.
- 2) It is not necessary for the enclosure lid to be removed in order to attach to either of the Cello 6 'V2' connection Ports J5 or J6 as they are accessed through openings on the outer face of the enclosure base. Be aware that in order to provide ingress protection when not in use, these openings are supplied covered by individually user removal sections of a self-adhesive backed label. When connection to either of these Ports is required, the relevant section of the covering label is to be removed in order to gain access. Where a connection is removed for an extended period, the 'open' termination access opening must be re-covered in order to retain the required level of ingress protection!

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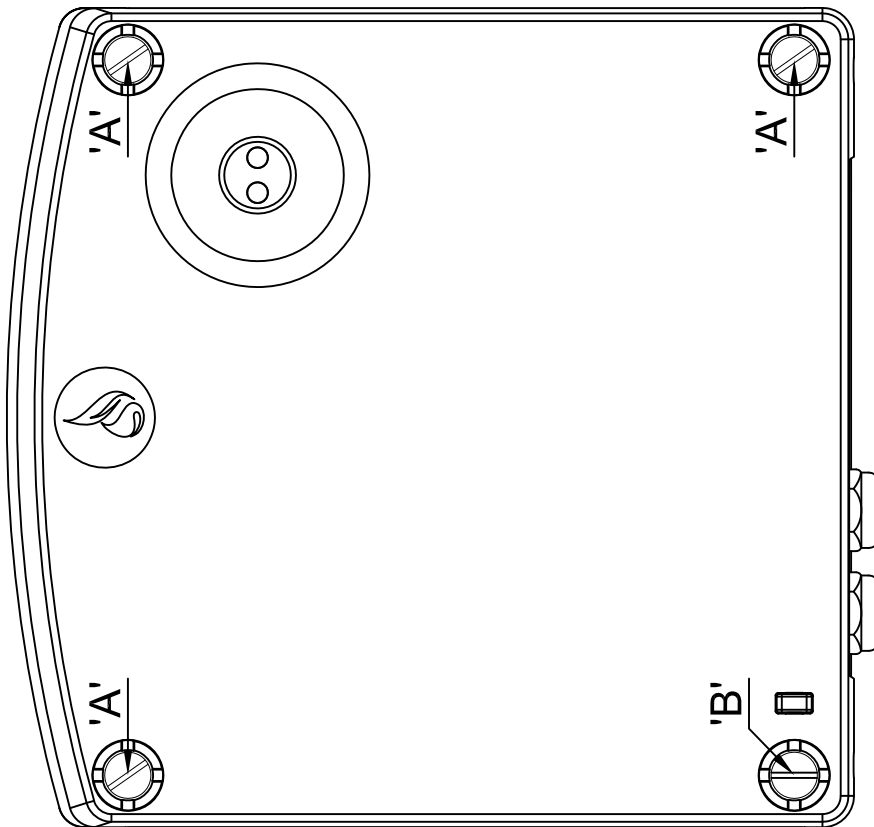
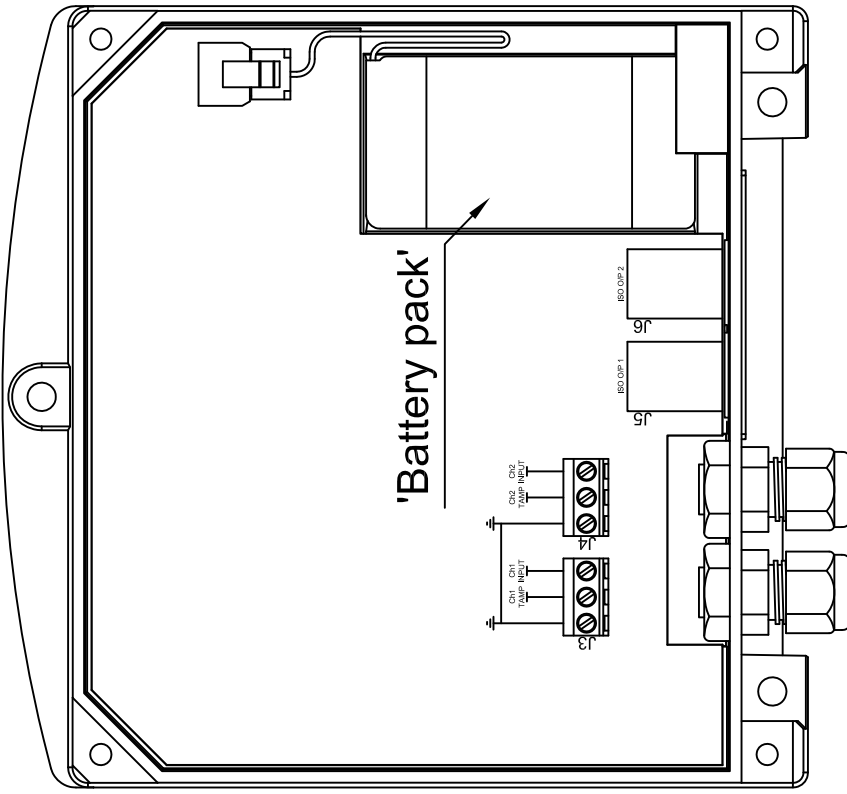
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Internal battery pack replacement

The internal battery pack may be replaced whilst the equipment is 'live' - only the 9E3001 battery pack supplied by Technolog (the manufacturer) may be used. Use of any battery pack other than that indicated will invalidate Technolog warranties. Be aware that where the enclosure is entered by a person other than the manufacturer or their authorised agents then the integrity of the ingress protection seal cannot be guaranteed hence any warranties will be void.

Warning

The battery should never be short circuited, punctured, dropped, crushed, deformed, exposed to high temperatures, incinerated, immersed or force discharged.

Replacement procedure

- 1) Battery replacement must only be performed in a clean & dry environment.
- 2) It is necessary to remove the 4x lid screws 'A' & 'B', however the screw 'B' may be fitted with a security tag in which case the lid must not be removed without the permission of the owner of the unit!
- 3) With the lid removed, carefully unclip the battery from the PCB mounted connector then remove the pack from the unit.
- 4) Within 5 minutes of removing the original battery, fit the new battery in place & connect it to the PCB mounted connector.
- 5) Refit the lid & tighten the screws 'A' & 'B'. Where necessary, replace the security tag on screw 'B'.

Disposal

The battery pack contained within the Cello 6 V2 must not be disposed of as unsorted municipal waste and must be collected separately in order to facilitate correct environmentally sound treatment and recycling. Prior to disposal your local waste disposal authority should be contacted regarding any regulations that may be in force at the time covering the disposal procedures in relation to Lithium Sulphuryl Chloride cells. Refer to the battery manufacturer's 'Material Safety Data Sheet (MSDS)', available from Technolog, for further details of battery safe use and disposal guidelines.

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Additional information

Technolog Application Notes

To be determined.

Issued by: M. Jeffcock (Technolog Approvals & Development Engineer)

Date: 07 / 04 / 10

Any updates of this document that are not related to the RF performance of the Cello 6 V2 or the FCC statements contained herein need not be referred to the Federal Communications Commission ('FCC') in the USA. The Technolog Cello 6 V2 to which this document relates has been assigned the FCC identifier XUVC62D.

Signed for & on behalf of:

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