

# IP66 Heavy Duty Enclosures

## Technical Specification

This series has been designed for resistance to tougher environments where a hardwearing box, combined with ingress protection may be required.

Sealed to IP66, they are dust proof, splash proof and protected from powerful jets of water. Eight sizes are available comprising PCB guides, DIN rail mounting points, lid, seal, captive screws and earth screws.

The range can be finished in plain aluminium, or painted and coated for added resistance to abrasion, oils, corrosion and diluted acids.



**For more information:**

Phone: +44 (0)1724 273206

### Features:

- IP66 (BS EN 60529:1992)
- Heavy Duty
- Manufactured from LM2/LM24
- RoHS Compliant

### Typical Applications:

- Test & Measurement Equipment
- CCTV/Surveillance Tools
- Traffic Management Equipment
- Water Treatment

### Available Dimensions:

|                  |                   |
|------------------|-------------------|
| 125 x 125 x 80mm | 220 x 120 x 80mm  |
| 125 x 125 x 90mm | 220 x 120 x 90mm  |
| 130 x 80 x 60mm  | 260 x 160 x 90mm  |
| 160 x 160 x 90mm | 260 x 160 x 120mm |

**Finishes:** Plain Aluminium, Powder or Nylon Coat

**Colours:** Grey, Blue or Black when a powder or nylon coating is selected.

**Customisation:** We can machine and customise the enclosures to meet your specification.

- Visit our website for a complete services list.

### DEM Manufacturing

Deltron Emcon House

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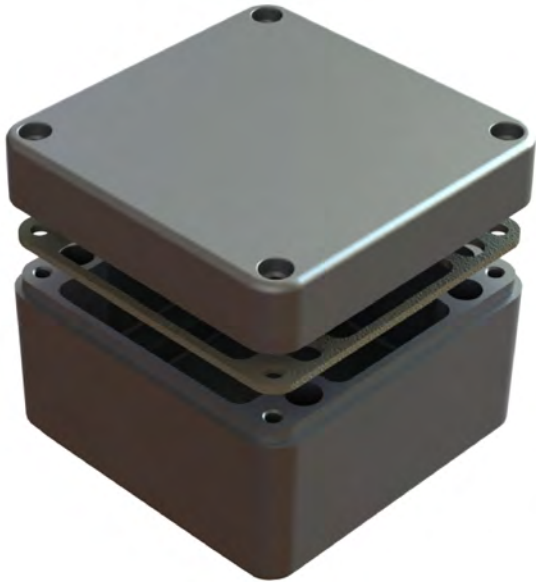


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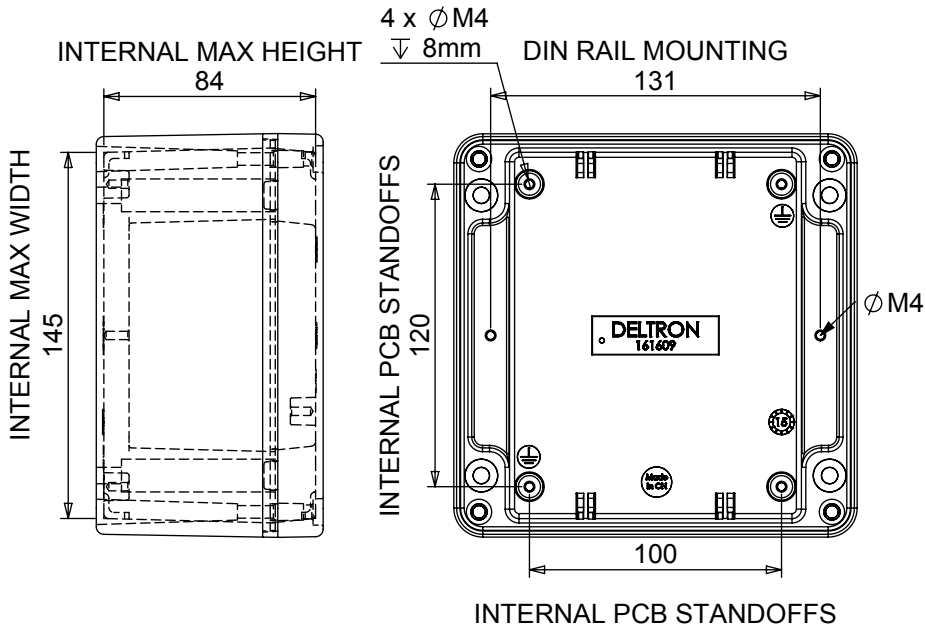
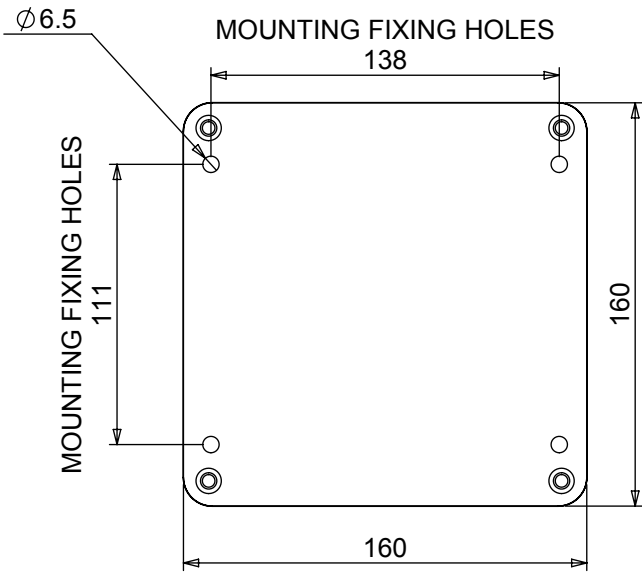
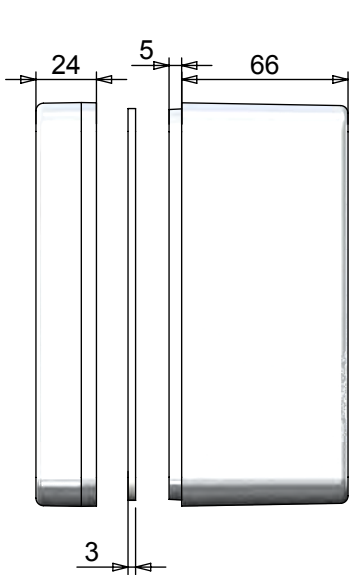
| 1   |             | 2          |             | 3 | 4 | 5 | 6 | 7 |
|-----|-------------|------------|-------------|---|---|---|---|---|
| REV | DATE        | ECN NUMBER | ECR COMMENT |   |   |   |   |   |
| 008 | 06 Jun 2017 | 4833/4835  |             |   |   |   |   |   |
| 007 | 06 Jun 2017 | 4833/4835  |             |   |   |   |   |   |



| Length               | Width | Height | Un-Painted   | Powder Coat    | Nylon Coat     |
|----------------------|-------|--------|--|----------------|----------------|
| 160                  | 160   | 90     | 486-161609-66  | 487-161609*-66 | 488-161609*-66 |
| Box Dimensions in mm |       |        | Colour Option - Colour suffix * - Grey= A / Blue= B / Black= E |                |                |

DIE CAST ALUMINIUM ENCLOSURE SEALED TO  
BS EN 60529:1992 IP66, IP67

- 3mm One piece Die cut Silicone Rubber Sponge 01-255FR Seal
- Seal has Self Adhesive Backing. 01-255SAB Suitable for -60 °c to 240 °c.
- Min seal thickness 3.0mm - min seal frame width 3.5mm
- Min enclosure wall thickness 3mm
- Min enclosure lid thickness 3mm
- PCB maximum dimensions 111mm length 1.7mm width
- Enclosures can be supplied Machined to your specifications
- Made in the China.
- Clean seal face using toluene solution or white spirits prior to fitting the seal, only required on unpainted enclosures



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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES  
LINEAR & RADIAL TOLERANCE:  
**NO DECIMAL PLACES**  
**1 DECIMAL PLACE**  
**2 DECIMAL PLACES**  
**ANGULAR TOLERANCE:**

**IF IN DOUBT ASK! DO NOT SCALE DRAWING!**  
FINISH: SEE NOTES  
MATERIAL: LM24 / LM2  
THE FINISHED PRODUCT SHOULD BE CLEAN AND FREE FROM ALL LIQUIDS AND DEBRIS. SURFACES SHOULD BE OF UNIFORM APPEARANCE FREE FROM SHARP EDGES, BURRS AND CORROSION

|                            |              |                                |                          |
|----------------------------|--------------|--------------------------------|--------------------------|
| AUTHOR<br>Shaun Barron     |              | TITLE<br>HEAVY DUTY ENCL' IP66 |                          |
| EDITOR<br>DT               |              | FILE<br>486-161609-66          |                          |
| APPROVER<br>DT             |              | PART                           |                          |
| THIRD ANGLE PROJECTION<br> | SHEET 1 OF 1 | ISSUE/REV.<br>008              | VERSION<br>21            |
|                            | SCALE 1:3 A4 | RELEASED                       | EDIT DATE<br>06 Jun 2017 |

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