EIH Instrument Enclosures

Cl. I, Div. 1 & 2, Groups B†, C, D
Cl. II, Div. 1, Groups E, F, G
Cl. II, Div. 2, Groups F, G
Cl. III
NEMA 3, 4, 4X, 7B†CD, 9EFG
Ex d IIB, IP66 ATEX Certified
Explosionproof
Dust-Ignitionproof
Raintight
Wet Locations
Watertight

Applications:
EIH instrument enclosures are used:
- To enclose instrumentation and control devices such as two-wire transmitters, flow measurement devices, temperature controls, level detectors, pressure switches, etc.
- As an outlet box for pulling and splicing conductors
- In hazardous, abusive and wet locations
- To provide access to conductors for maintenance and future system changes

Features:
- ¾" offset through feed hubs offer maximum interior space and greater working area
- 2" and 4" deep covers, solid or with glass lens
- Internal mounting pads for instrument mounting
- Internal ground screw for safe, continuous grounding
- Neoprene gasket provides a watertight seal for NEMA/EEMAC 4 and UL/CSA Type 4 applications
- Wrenching lugs permit easy cover removal and tightening
- Internal cover threads provide additional space inside body
- External boss is suitable for drilling and tapping an additional conduit entry

Certifications and Compliances:
- NEC/CEC:
  Class I, Division 1 & 2, Groups B†, C, D
  Class II, Division 1, Groups E, F, G
  Class II, Division 2, Groups F, G
  Class III
  NEMA/EEMAC: 3, 4, 4X, 7B†CD, 9EFG
  UL Standard: 1203
  CSA Standard: C22.2 No. 30
  FM Classification No.: 3615
  ATEX Certificate KEMA 02 ATEX 2265U (requires ATEX suffix)
  IEC Standards EN:60079-0, EN:60079-1, EN:60529

Standard Materials:
- Body and cover – copper-free aluminum
- Glass lens – heat tempered glass
- Gasket – neoprene

Standard Finishes:
- Corro-free™ epoxy powder coat (gray)

Options:
- Cast mounting feet .......... MF
- Natural finish - Consult Eaton’s Crouse-Hinds
- Additional drilled and tapped opening in external boss:
  ¾" ......................... 1
  1½" ....................... 2
- With ATEX certification ........... ATEX

Standard Finishes:
- Corro-free™ epoxy powder coat (gray)

Ordering Information:
Hub Size Description Cat. #
¾ Body with 2" standard cover EIH20
¾ Body with 2" glass lens cover EIH21
¾ Body with 4" dome cover EIH22
¾ Body with 4" glass lens dome cover EIH23

Dimensions
In Inches:

Dimensions are approximate, not for construction purposes.

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>d</th>
<th>e</th>
<th>f</th>
<th>g</th>
<th>h</th>
<th>i</th>
<th>j</th>
<th>k</th>
<th>l</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIH20</td>
<td>5.00</td>
<td>4.25</td>
<td>—</td>
<td>4.54</td>
<td>2.60</td>
<td>1.94</td>
<td>—</td>
<td>—</td>
<td>3.62</td>
<td>—</td>
<td>3.34</td>
<td>5.25</td>
</tr>
<tr>
<td>EIH21</td>
<td>5.00</td>
<td>4.25</td>
<td>2.60</td>
<td>4.54</td>
<td>2.60</td>
<td>1.94</td>
<td>2.75</td>
<td>2.61</td>
<td>3.62</td>
<td>3.10</td>
<td>—</td>
<td>5.25</td>
</tr>
<tr>
<td>EIH22</td>
<td>5.00</td>
<td>4.25</td>
<td>—</td>
<td>6.54</td>
<td>4.60</td>
<td>1.94</td>
<td>—</td>
<td>—</td>
<td>3.62</td>
<td>—</td>
<td>5.34</td>
<td>5.25</td>
</tr>
<tr>
<td>EIH23</td>
<td>5.00</td>
<td>4.25</td>
<td>2.60</td>
<td>6.54</td>
<td>4.60</td>
<td>1.94</td>
<td>4.68</td>
<td>2.61</td>
<td>3.62</td>
<td>5.03</td>
<td>—</td>
<td>5.25</td>
</tr>
</tbody>
</table>

† For Group B applications, seal within 1½" of enclosure in accordance with Sections 501-5 of the National Electrical Code® as well as any other applicable codes.

Crouse-Hinds
by Eaton
EIHT Instrument Enclosures

Applications:
EIHT instrument enclosures are used:
- To enclose instrumentation and control devices such as two-wire transmitters, flow measurement devices, temperature controls, level detectors, pressure switches, etc.
- As an outlet box for pulling and splicing conductors
- In hazardous, abusive and wet locations
- To provide access to conductors for maintenance and future system changes

Features:
- 3/4” offset through feed hubs offer maximum interior space and greater working area
- 2” and 4” deep covers, solid or with glass lens
- Internal mounting pads for instrument mounting
- Internal ground screw for safe, continuous grounding
- Neoprene gasket provides a watertight seal for NEMA/EEMAC 4 and UL/CSA Type 4 applications
- Wrenching lugs permit easy cover removal and tightening
- Internal cover threads provide additional space inside body
- External boss is suitable for drilling and tapping an additional conduit entry
- Two separate chambers for isolation of power supply and instrument
- 3/4” hub on instrument side
- Third party certified for drilling enclosure wall between instrument and power side

Standard Materials:
- Body and cover – copper-free aluminum
- Glass lens – heat tempered glass
- Gasket – neoprene

Standard Finishes:
- Corro-free™ epoxy powder coat (gray)

Options:

Certifications and Compliances:
- NEC/CEC:
  Class I, Division 1 & 2, Groups B†, C, D
  Class II, Division 1, Groups E, F, G
  Class II, Division 2, Groups F, G
  Class III
- NEMA/EEMAC: 3, 4, 7B†CD, 9EFG
- UL Standard: 1203
- CSA Standard: C22.2 No. 30
- FM Classification No.: 3615
- IEC Standards EN:60079-0, EN:60079-1, EN:60529

Dimensions
In Inches:

Ordering Information:

<table>
<thead>
<tr>
<th>Hub Size*</th>
<th>Description</th>
<th>Cat. #</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4</td>
<td>2” Blank Cover - Power Side</td>
<td>EIHT200</td>
</tr>
<tr>
<td>3/4</td>
<td>2” Blank Cover - Instrument Side</td>
<td>EIHT210</td>
</tr>
<tr>
<td>3/4</td>
<td>2” Glass Lens Cover - Instrument Side</td>
<td>EIHT220</td>
</tr>
<tr>
<td>3/4</td>
<td>4” Blank Cover - Power Side</td>
<td>EIHT230</td>
</tr>
<tr>
<td>3/4</td>
<td>4” Glass Lens Cover - Instrument Side</td>
<td>EIHT230</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>d</th>
<th>e</th>
<th>f</th>
<th>g</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIHT200</td>
<td>4.75</td>
<td>5.19</td>
<td>6.95</td>
<td>3.48</td>
<td>3.15</td>
<td>3.56</td>
<td>1.87</td>
</tr>
<tr>
<td>EIHT210</td>
<td>4.75</td>
<td>5.19</td>
<td>6.95</td>
<td>3.48</td>
<td>3.15</td>
<td>3.56</td>
<td>1.87</td>
</tr>
<tr>
<td>EIHT220</td>
<td>—</td>
<td>5.19</td>
<td>8.95</td>
<td>5.48</td>
<td>5.15</td>
<td>3.56</td>
<td>1.87</td>
</tr>
<tr>
<td>EIHT230</td>
<td>—</td>
<td>5.19</td>
<td>8.95</td>
<td>5.48</td>
<td>5.15</td>
<td>3.56</td>
<td>1.87</td>
</tr>
</tbody>
</table>

† For Group B applications, seal within 1 1/2” of enclosure in accordance with Sections 501-5 of the National Electrical Code® as well as any other applicable codes.

*For 1/2” hub size, use RE21-SA.