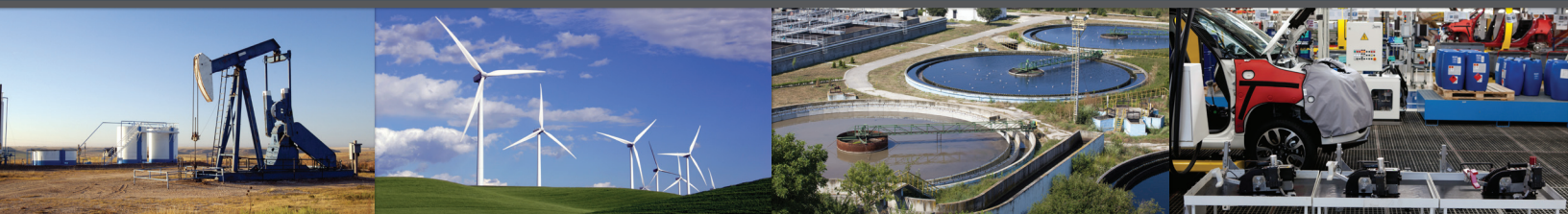# HMI Cover Kit

Human Machine Interface Cover Kit

*Base P/N AMHMI*

Allied Moulded's HMI cover kits are designed to provide protection for instruments or electronics requiring routine attention or detail and makes accessibility to electronic components easy! The kits are available in a variety of sizes to accommodate varying HMI display sizes and panel configurations, and securely mount to the outside of any enclosure option.

The cover kits feature a strong and rigid design and are well suited for a variety of indoor or outdoor applications. They are UL® listed and come standard with multiple cover latching options, and are available in solid opaque or polycarbonate thermoplastic clear covers for easy component visibility. Optional prop arms secure the cover kit in the "open" position, and allow for easy access to electrical components.

## Application

- Ideal for covering and protecting instruments or electronics through an enclosure wall, while maintaining all applicable standards and classifications
- No need to open the enclosure to view electronics or perform maintenance, decreasing arc flash risks and safety hazards
- Includes mounting hole pattern for easy cover kit installation
- Protects from UV, dirt, dust, oil and water

**Scan to learn more about HMI Cover Kits!**

## Construction

- Clear polycarbonate thermoplastic, or polycarbonate for opaque covers
- 316 stainless steel external cover latching hardware and hinge pin
- 316 stainless steel snap latches feature padlock hasp (3/8")
- UV stabilized for outdoor use
- Formed-In-Place (FIP) polyurethane gasket in continuous channel
- Designed for use with wall thicknesses ranging from 16 gauge through 1/4"
- #10-32 threaded brass inserts with plated steel mounting fasteners

## Standards

- UL® listed and recognized component for use with CSA® listed enclosure products Types 1, 2, 3, 3R, 4, 4X, 12 and 13
- EN / IEC 60204-1 and 60529 Type IP66

✓ **Additional Accessories**
Other available accessories include back panel kits, ULTRAPLUG® hole plugs, inspection windows, vent kits, pole mount kits, and much more!

✓ **Custom Modifications**
Custom holes and cutouts, along with polycarbonate viewing windows are available. Contact factory for additional modification options.
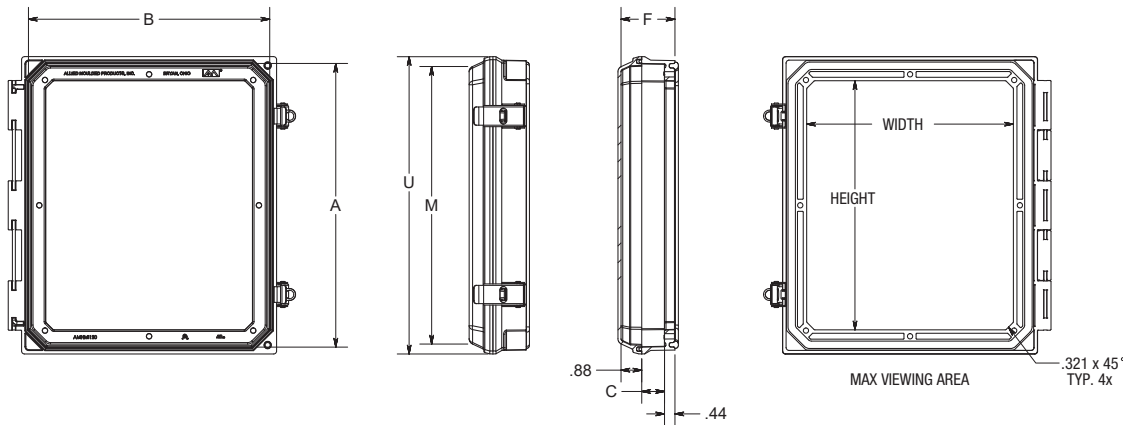
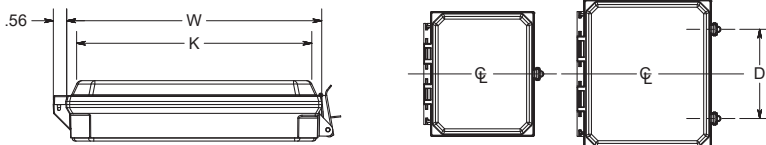ALLIED MOULDED PRODUCTS, Inc.

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# Options/Accessories



Diagram labels: B, A, U, M, F, C, .88, .44, WIDTH, HEIGHT, MAX VIEWING AREA, .321 x 45° TYP. 4x

LATCH LOCATIONS

.56, W, K

Note: For use on flat smooth surfaces of NEMA Types 1, 3, 3R, 4, 4X, 12 or 13 enclosures

FOR USE ON
8X8
10X8

FOR USE ON
12x10 D=7.5 (191mm)
14x12 D=8.00 (203mm)
16x14 D=9.00 (229mm)
20x16 D=16.81 (427mm)

**Cover Latching Options**

**Secure Hinge Pin**

**Formed-In-Place Gasket**

**Prop Arm**

| Prop Arm Size Configuration | |
|---|---|
| HMI Size | Part No. |
| 6"x6" | AMHMIPROP66 |
| 8"x6" | AMHMIPROP86 |
| 8"x8" | AMHMIPROP88 |
| 10"x8" | AMHMIPROP108 |
| 12"x10" | AMHMIPROP120 |
| 14"x12" | AMHMIPROP142 |
| 16"x14" | AMHMIPROP164 |
| 20"x16" | AMHMIPROP206 |

| Part No. Configuration Options | |
|---|---|
| Part No. Suffix | Description |
| CCH | Clear Cover Hinge / 2 Screws |
| CCHTP | Clear Cover Hinge Tamper Proof Screw |
| CCL | Clear Cover Hinge Snap Latch |
| H | Opaque Cover Hinge / 2 Screws |
| HTP | Opaque Cover Hinge Tamper Proof Screw |
| L | Opaque Cover Hinge Snap Latch |

| Base Part No. | Frame Size Inside Dimensions | | | Usable Depth | Cover Size | | | | Max Viewing Area | | Nom. Wall Thickness |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | F | K | M | W | U | Width | Height | |
| AMHMI66 | 5.93 | 6.15 | 0.96 | 2.27 | 5.43 | 5.21 | 6.72 | 6.5 | 4.69 | 4.47 | 0.14 |
| | 151mm | 156mm | 24mm | 58mm | 138mm | 132mm | 171mm | 165mm | 119mm | 114mm | 4mm |
| AMHMI86 | 7.93 | 6.15 | 0.96 | 2.27 | 5.43 | 7.21 | 6.72 | 8.5 | 4.69 | 6.47 | 0.14 |
| | 201mm | 156mm | 24mm | 58mm | 138mm | 183mm | 171mm | 216mm | 119mm | 164mm | 4mm |
| AMHMI88 | 7.93 | 8.15 | 0.96 | 2.27 | 7.75 | 7.53 | 8.72 | 8.5 | 6.69 | 6.47 | 0.14 |
| | 201mm | 207mm | 24mm | 58mm | 197mm | 191mm | 221mm | 216mm | 170mm | 164mm | 4mm |
| AMHMI108 | 9.93 | 8.15 | 0.96 | 2.27 | 7.89 | 9.67 | 8.72 | 10.5 | 6.69 | 8.47 | 0.14 |
| | 252mm | 207mm | 24mm | 58mm | 200mm | 246mm | 221mm | 267mm | 170mm | 215mm | 4mm |
| AMHMI120 | 11.93 | 10.15 | 0.96 | 2.27 | 9.89 | 11.67 | 10.72 | 12.5 | 8.69 | 10.47 | 0.14 |
| | 303mm | 258mm | 24mm | 58mm | 251mm | 296mm | 272mm | 318mm | 221mm | 266mm | 4mm |
| AMHMI142 | 13.95 | 12.07 | 0.96 | 2.2 | 11.89 | 13.67 | 12.72 | 14.5 | 10.71 | 12.49 | 0.19 |
| | 354mm | 307mm | 24mm | 56mm | 302mm | 347mm | 323mm | 368mm | 272mm | 317mm | 5mm |
| AMHMI164 | 15.87 | 14.07 | 0.96 | 2.2 | 13.89 | 14.72 | 14.72 | 16.5 | 12.71 | 14.49 | 0.19 |
| | 403mm | 357mm | 24mm | 56mm | 353mm | 374mm | 374mm | 419mm | 323mm | 368mm | 5mm |
| AMHMI206 | 19.85 | 16.07 | 0.96 | 2.27 | 15.75 | 19.53 | 16.72 | 20.5 | 14.71 | 18.49 | 0.19 |
| | 504mm | 408mm | 24mm | 58mm | 400mm | 496mm | 425mm | 521mm | 374mm | 470mm | 5mm |

All dimensions are in inches unless otherwise noted
Base part number listed only. To complete part number, refer to the "Part # Suffix" chart above
Refer to website for complete mounting hole pattern configuration

Add the "Part No. Suffix" to the base part number to create a complete HMI cover kit (ex. AMHMI206CCL is a 20" x 16" with a clear cover and latch)

Data subject to change without notice

RoHS COMPLIANT

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