MOUNTING TEMPLATE
(do not cut out)

14.567"
(370.000mm)

12.598"
(320.000mm)

Utilize this template as a guide for mounting your XL+ into an appropriate panel/box. The stud locations for NEMA4X compliant mounting are indicated with punch-outs (⊕) along the perimeter of the template. You may use the box directly below these instructions (indicated by "Panel Cut-Out") as a template for how large the cut-out should be for the unit itself. Dimensions are given first in inches and in millimeters in parenthesis. For more specific measurements, refer to MAN1108 on our website. Use the following steps below to panel mount the XL+ OCS:

PANEL CUT-OUT
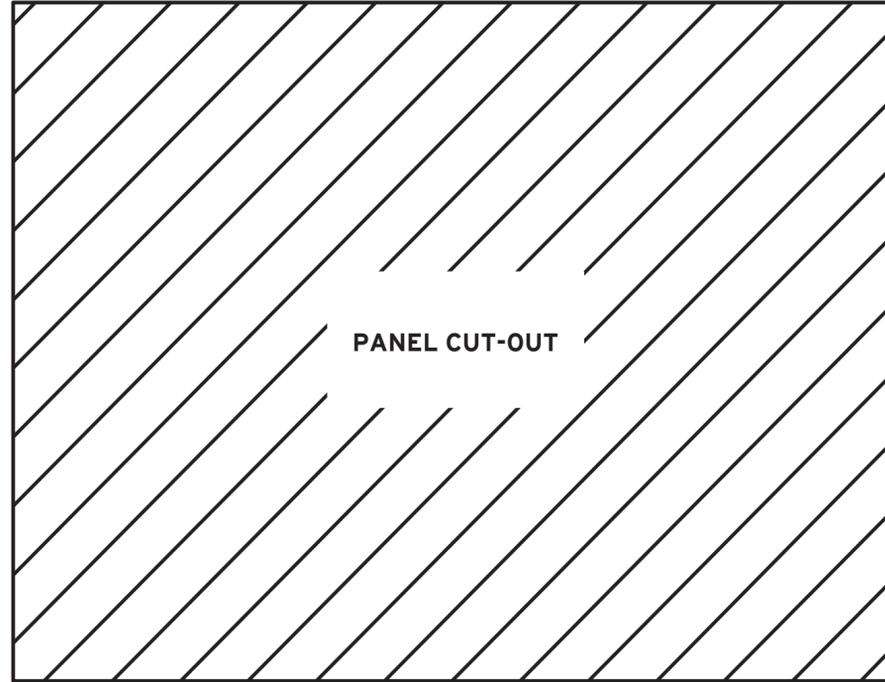
5.235"
(132.969mm)

6.908"
(175.469mm)

1. The XL+ allows unique installation options that simplify installation for systems that may not need robust vibration or water resistance.

2. If the system does not experience shock or vibration and will not be exposed to weather or wash down conditions, the unit can be installed by cutting the rectangular opening and installing the four (4) supplied clips.

3. For systems that may experience shock or vibration or are installed outdoors or in wash down environments, the rectangular cut and clips are used and perimeter holes must be drilled in the panel. The supplied studs are then inserted into the perimeter of the controller and supplied nuts will secure the perimeter of the unit to the panel.

4. Please reference the XL+ installation cutout drawing document (MAN1108) for further details.

5. Remove all connectors from the XL+ OCS unit.

6. Make sure both inner and outer gaskets are installed on the XL+ OCS and are free from dust and debris. Check that the corners of the gasket are secure.

7. Pass the unit through the panel.

8. The two (2) spring clips will latch the unit in the panel.

9. Insert each of the four (4) mounting clips into the slots in the XL+ OCS case. One clip should be installed on each corner. Lightly tighten each screw so the clip is held in place.

10. Tighten the screws on the clips such that the gasket is compressed against the panel. Recommended torque is 7-10 in-lbs (0.79-1.13 Nm).

11. If the perimeter studs are needed, it is recommended to use a thread locker (similar to 242 Blue Loctite). Use supplied lock washers and nut. Recommended torque is 3-4 in-lbs (0.34-0.45 Nm).

HORNER
AUTOMATION GROUP

XL+ OCS

HE-XP7E0, HE-XP7E2, HE-XP7E3, HE-XP7E4, HE-XP7E5, HE-XP7E6

1 - General Specifications

Display	15" XGA TFT Color Touchscreen
Primary Pwr. Range	18-30 VDC
Required Pwr. (steady state)	800 mA at 24 VDC
Required Pwr. (inrush)	25 A for <1ms at 24 VC DC Switched
Battery Life	5-10 Yrs Replaceable
Relative Humidity	5-95% non-condensing
Operating Temp.	-10° C to +60° C
Storage Temp.	-30° C to +70° C
Weight	7.63 lbs / 3.46 kg
Certifications (CE)	USA: https://hornerautomation.com/certifications/ Europe: http://www.horner-apg.com/en/support/certification.aspx

3 - Panel Cut-Out
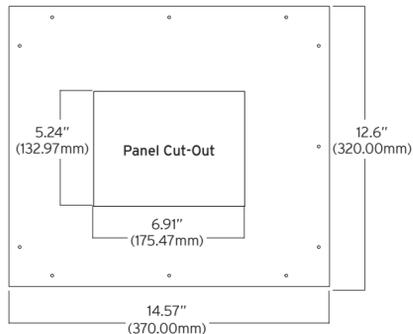
For detailed product and panel cutout dimensions, please refer to the template above. We highly suggest you cut out the template above and adhere it to the panel in which you would like to mount the XL+ to perfectly match where all/any holes should be made.

5.24"
(132.97mm)

Panel Cut-Out

12.6"
(320.00mm)

6.91"
(175.47mm)

14.57"
(370.00mm)

2 - Port Connectors

See Detailed
Closeups Below

1. Virtual Function Keys Slide in from the Right Upon Touching Top Right Corner of Screen
2. USB Mini-B Port
3. High Capacity microSD Slot
4. Mini DisplayPort Video Output (Future)
5. RS232/RS485 Serial Ports (3)
6. USB A Ports (3)
7. Mic Input / Audio Output
8. Wide-Range DC Power
9. Dual CAN Port
10. Dual Ethernet LAN Port
11. Optional Built-In I/O

4 - Power Wiring

POWER UP:
- Connect to Earth Ground
- Apply 18 - 30 VDC
- Torque rating 4.5 - 7 in-lbs (0.50 - 0.78 N-m)

24VDC

+18-30 VDC
− supply
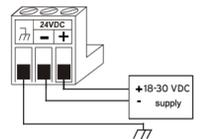
5 - FCC Compliance

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
2. This device must accept any interference received, including interference that may cause undesired operation

6 - Precautions

All applicable codes and standards need to be followed in the installation of this product. Adhere to the following safety precautions whenever any type of connection is made to the module:
1. Connect the safety (earth) ground on the power connector first before making any other connections.
2. When connecting to the electric circuits or pulse-initiating equipment, open their related breakers.
3. Do NOT make connection to live power lines.
4. Make connections to the module first; then connect to the circuit to be monitored.
5. Route power wires in a save manner in accordance with good practice and local codes.
6. Wear proper personal protective equipment including safety glasses and insulted gloves when making connections to power circuits.
7. Ensure hands, shoes, and floor are dry before making any connection to a power line.
8. Make sure the unit is turned OFF before making connection to terminals.
9. Make sure all circuits are de-energized before making connections.
10. Before each use, inspect all cables for breaks or cracks in the insulation. Replace immediately if defective.
11. Use copper conductors in Field Wiring only, 60/75° C.

7 - Technical Support

For further details, please refer to the XL+ Datasheet, MAN1107. For assistance and manual updates, please contact Technical Support at the following locations:

North America
+1 (317) 916-4274
www.hornerautomation.com
https://hornerautomation.com/contact-us/

Europe
+353 (21) 4321-266
www.horner-apg.com
technical.support@horner-apg.com

CE

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