

HMI Connect Displays

Quick Reference Guide

MAN1522_02_EN_HMIC_QRG

The HMI Connect displays provide users of the CPU units that have an HMI Connect port, and who prefer an HMI interface, with four flexible, easy-to-use, and high-quality options.

The 4", 7", 10", and 15" displays each connect to the CPU using an HMI Connect port using a single cable up to 8 meters long, allowing for more versatility in panel creation without quality degradation.

Power and communication are provided by the single cable.

Size	4-inch	7-inch	10-inch	* 15-inch
Part Number	HE-959HMI-04	HE-959HMI-07	HE-959HMI-10	HE-959HMI-15

HMI Connect Cable	1 Meter	3 Meter	8 Meter
Part Number	HE-HMICBL-1M	HE-HMICBL-3M	HE-HMICBL-8M

	4"	7"	10"	* 15"
Resolution	480 x 272	800 x 480	1024 x 600	1024 x 768
Brightness	450 cd/m ²	420 cd/m ²	300 cd/m ²	500 cd/m ²
Mounting	Panel 4.705" x 3.563" 119.5 x 90.5mm	Panel or VESA 6.890" x 5.193" 175 x 131.9mm		
		Four (4) Hole Attachment Interface: Hole Pattern: 100 x 100 mm		
		Four (4) Hole Attachment Interface: Screw Size: M5-0.8 x 7mm		
Touchscreen	Resistive			
Protection Grade	IP 65 / NEMA 4X (from front)			
Video Input	FPD Link			
Power	10-30 volts provided by controller			19-30 VDC
mA@24V	59 mA	91 mA	129 mA	362 mA
W@24V	1.4 Watts	2.2 Watts	3.1 Watts	8.7 Watts
Operating Temperature	-10°C – +60°C			
Width, Height, Depth	96.2 x 125.2 x 35.9 mm	143.56 x 186.07 x 49.51 mm	167.81 x 265.25 x 56.46 mm	281.28 x 364.28 x 63.21 mm
Weight	215.6 g (7.6 oz)	548.1 g (19.3 oz)	1117 g (39.4 oz)	2704 g (95.4 oz)

* To connect the chassis ground, the perimeter mounting studs must be installed with a wire jumper to earth ground added.

For additional information, see [Documentation Search](#) on the Horner Website

SAFETY & MAINTENANCE

All applicable codes and standards must be followed in the installation of this product. Adhere to the following safety precautions whenever any type of connection is made to the module: **Failure to follow these guidelines can damage the controller and/or other devices.**

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 the related breakers.
3. Do not disconnect while circuit is live unless area is known to be non-hazardous.
4. Make connections to the module first; then connect to the circuit to be monitored.
5. Route power wires in a safe manner in accordance with good practice and local codes.
6. Wear proper personal protective equipment including safety glasses and insulated gloves when making connections to power circuits.
7. Ensure hands, shoes, and floor are dry before making any connection to a power line.
8. Confirm that the unit is turned OFF before making connection to terminals and that all circuits are de-energized before making connections.
9. Before each use, inspect all cables for breaks or cracks in the insulation. Replace immediately if defective.
10. Use copper conductors in Field Wiring only, 60/75°C.
11. Do not remove or replace jumpers or connectors while circuit is live unless the area is known to be free of ignitable concentrations of flammable gases or vapors.
12. Use caution when making connections to the controller to protect against static discharge. Special care must be taken when replacing the battery or inserting or adjusting I/O or communication boards.
13. Use caution when connecting controllers to PCs via serial or USB. PCs, especially laptops may use “floating power supplies” that are ungrounded. This could cause a damaging voltage potential between the laptop and controller. Ensure the controller and laptop are grounded for maximum protection. Consider using a USB isolator due to voltage potential differences as a preventative measure.

Hazardous Location Notice

Power, input and output (I/O) wiring must be in accordance with Class 1, Division 2 wiring methods [Article 501-4(b) of the National Electrical Code, NFPA 70] for installations in the U.S. or as specified in Section 18-1J2 of the Canadian Electrical Code for installations within Canada and in accordance with the authority having jurisdiction.

1. THIS EQUIPMENT IS SUITABLE FOR USE IN CLASS I, DIVISION 2, GROUPS A B C D or NON-HAZARDOUS LOCATIONS ONLY.
2. WARNING – EXPLOSION HAZARD – SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2.
AVERTISSEMENT - RISQUE D'EXPLOSION LA SUBSTITUTION DE COMPOSANTS PEUT RENDRE CE MATÉRIEL INACCEPTABLE POUR LES EMPLACEMENTS DE CLASSE I, DIVISION 2
3. WARNING – EXPLOSION HAZARD – DO NOT DISCONNECT EQUIPMENT UNLESS POWER HAS BEEN SWITCHED OFF OR THE AREA IS KNOWN TO BE NON- HAZARDOUS AND FREE OF IGNITABLE CONCENTRATIONS. *ATTENTION - RISQUE D'EXPLOSION - NE DECONNECTEZ PAS L'EQUIPEMENT A MOINS DE L'AVOIR MIS HORS TENSION OU QUE LA ZONE EST CONNUE NON- DANGEREUSE ET NE CONTIENT PAS DE CONCENTRATIONS INFLAMMABLES.*
4. WARNING - EXPLOSION HAZARD - BATTERIES MUST ONLY BE CHARGED IN AN AREA KNOWN TO BE NON-HAZARDOUS.
AVERTISSEMENT - RISQUE D'EXPLOSION - LES PILES NE DOIVENT ÊTRE CHARGÉES QUE DANS UN ENDROIT DE DANGER NON DANGEREUX.
5. WARNING - Battery may explode if mistreated. Do not recharge, disassemble, or dispose of in fire. *AVERTISSEMENT - La batterie peut exploser si elle est maltraitée. Ne pas recharger, démonter ou jeter au feu.*

Technical Support

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