HE-XKIT
XL-Series Add-on interface kit

1 Contents

The kit contains the following:

- Interface pcb.
- 13-way connector.
- 24-way bus connector.
- Two connector labels
- Four back-cover screws.

2 Introduction

The adapter kit fulfills two functions, it allows the use of the XL Series add-on modules on 'no I/O' models and supplies an alternative connector for models 4 and 5 I/O types where the standard connector supplied with the unit interferes with the Add-on module connector. Before wiring the replacement plug place the relevant model label on the plug connector. The correct label will match the labeling on the current connector or the product datasheet.

3 Installation Procedure

1. Disconnect all power from the XL – Series unit.
2. Remove the four screws on the back of the unit and remove the back cover. Screws are re-used (Figure 1).
3. If the model is an XL6 or XL10 then put the 24 pin header in the I/O connector as shown in Figure 2 below. Place the blank Adapter board in the I/O board position taking care that all twenty four pins of the I/O header pass through the board (Figure 2 below).
4. Plug the communication board onto the 24-pin connector. Make sure all the pins are properly aligned (Figure 2).
5. Place the extended back cover onto the unit. It can be helpful to tip it at an angle so the connector on the I/O board passes through the opening on the back cover.
6. Place the four screws back in the holes and turn the screw slowly counter clockwise until it clicks into the threads. This prevents the screw from being cross-threaded. Now, turn the screw clock-wise until the cover is firmly secured. Repeat for all four (4) screws. Do not tighten the screws to more than 0.4Nm

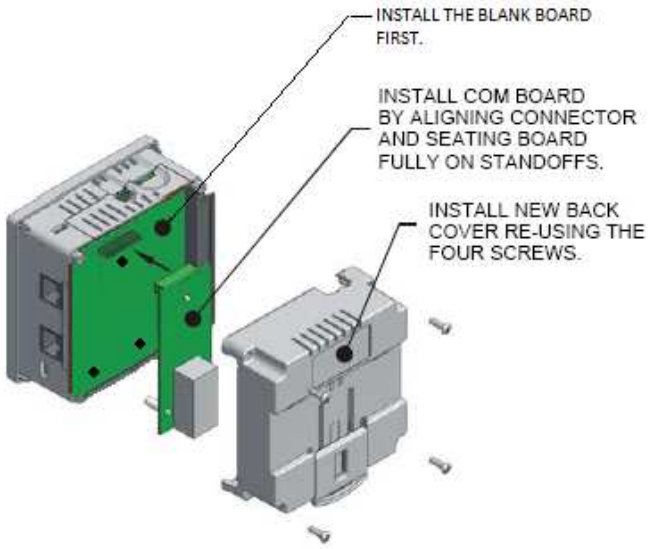

Figure 1. XLE/T with the Adapter board.

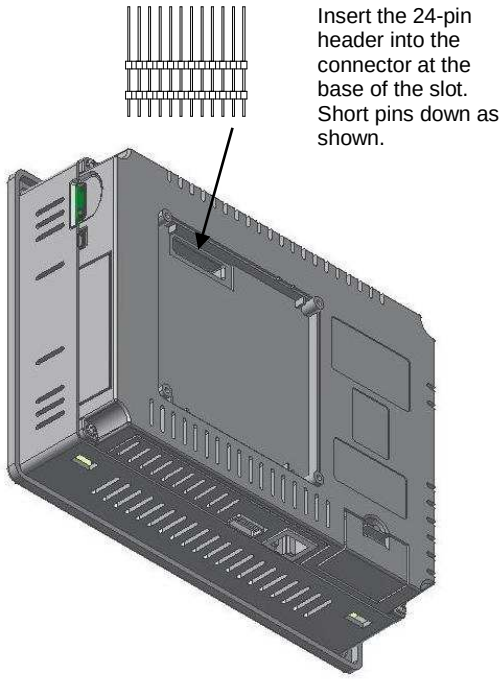

Figure 2. XL6/10 Showing the I/O connector slot..

4 Connector replacement

For XL-Models 4 and 5 (X14 or X15) I/O the following board require the use of the alternative 13-pin connector supplied in this kit. Before installing the connector, apply the relevant label to identify the correct pinout:

- **HE-XPBS**
- **HE-XDAC007**
- **HE-XDAC107**

5 Safety

When found on the product, the following symbols specify:

Warning: Electrical Shock Hazard.

Warning: Consult user documentation.

WARNING: To avoid the risk of electric shock or burns, always connect the safety (or earth) ground before making any other connections.
WARNING: To reduce the risk of fire, electrical shock, or physical injury it is strongly recommended to fuse the voltage measurement inputs. Be sure to locate fuses as close to the source as possible.
WARNING: Replace fuse with the same type and rating to provide protection against risk of fire and shock hazards.
WARNING: In the event of repeated failure, do not replace the fuse again as a repeated failure indicates a defective condition that will not clear by replacing the fuse.
WARNING: Only qualified electrical personnel familiar with the construction and operation of this equipment and the hazards involved should install, adjust, operate, or service this equipment. Read and understand this manual and other applicable manuals in their entirety before proceeding. Failure to observe this precaution could result in severe bodily injury or loss of life.

6 Technical Support

For assistance and manual updates, contact Technical Support at the following locations:

North America:
(317) 916-4274
www.heapg.com
email: techsppt@heapg.com

Europe:
(+) 353-21-4321-266
www.horner-apg.com
email: techsupport@hornerirl.ie

7 Safety Precations for Installation and Connections to XL Series Products

- ❑ 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:

- ✓ ▪Connect the safety (earth) ground on the power connector first before making any other connections.
- ✓ ▪When connecting to electric circuits or pulse-initiating equipment, open their related breakers.
- ✓ ▪Do not make connections to live power lines.
- ✓ ▪Make connections to the module first; then connect to the circuit to be monitored.
- ✓ ▪Route power wires in a safe manner in accordance with good practice and local codes.
- ✓ ▪Wear proper personal protective equipment including safety glasses and insulated gloves when making connections to power circuits.
- ✓ ▪Ensure hands, shoes, and floor are dry before making any connection to a power line.
- ✓ ▪Make sure the unit is turned OFF before making connection to terminals.
- ✓ ▪Make sure all circuits are de-energized before making connections.
- ✓ ▪Before each use, inspect all cables for breaks or cracks in the insulation. Replace immediately if defective.