



OmniLogic

Replacement touchscreen for OmniLogic

Installation Manual

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HLX-LCD
HLX-LCD0520

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Description

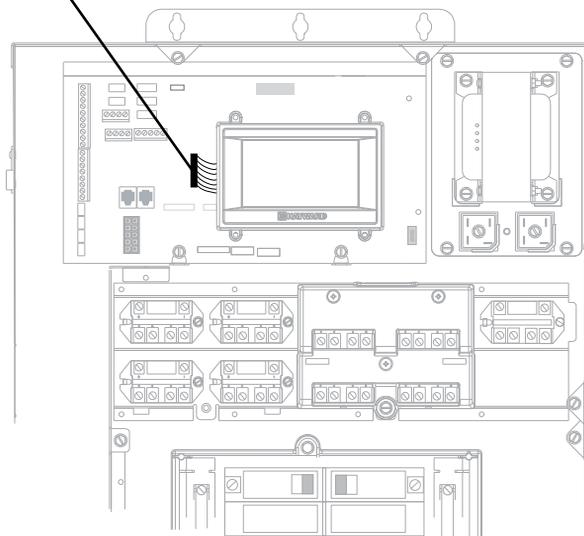
The HLX-LCD and HLX-LCD0520 are replacement touchscreens for the MSP Local Terminal found in Hayward OmniLogic pool controllers.

Installation

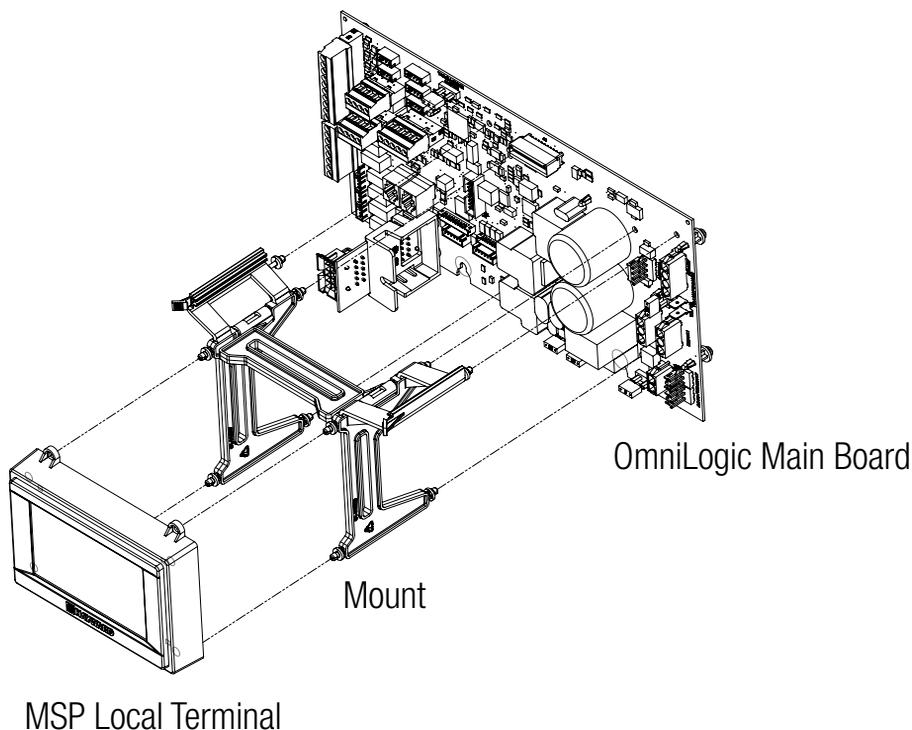
DANGER of Death, Injury or Property Damage if procedure not followed. This accessory connects to the OmniLogic panel beneath the dead front. Dead front removal is required for this installation. Power to the OmniLogic panel **MUST** be shut off before the dead front is removed. This means a complete shutdown of power to the entire OmniLogic panel.

1. Ensure that power is removed from OmniLogic.
2. Remove the dead front to expose the OmniLogic Main Board.
3. Remove the Local Terminal by first unplugging its ribbon cable.

Unplug Local Terminal ribbon cable

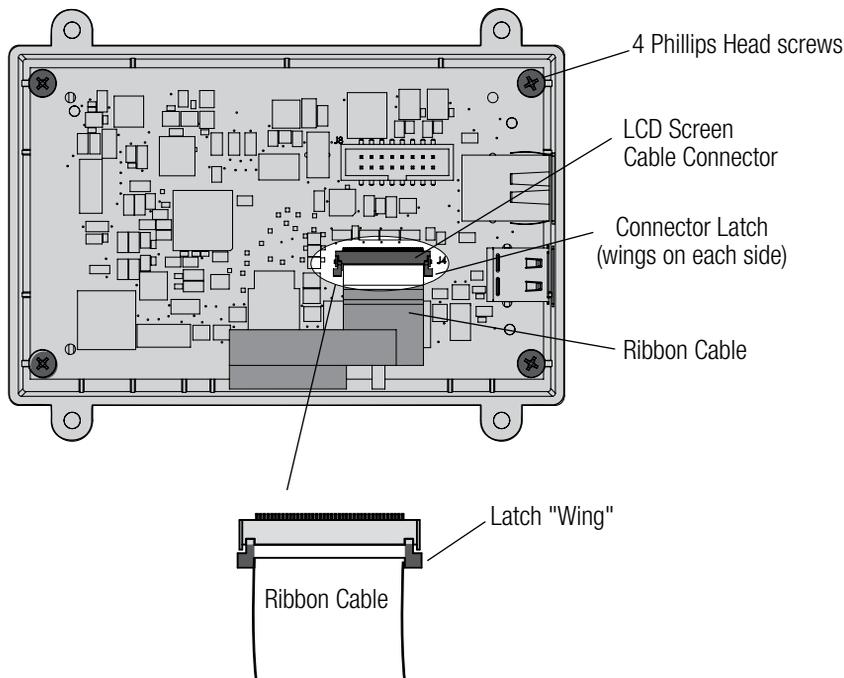


4. Pull straight out on the Local Terminal to separate it from the mount (refer to the diagram below). To prevent the mount from detaching from the Main Board, you may have to hold down on the mount while lifting the Local Terminal.



With the MSP Local Terminal removed, you'll be able to gain access to the circuit board. Flip the MSP so you can see the underside. **WARNING: before going further, read steps 5 and 6 and refer to their diagrams.**

5. **WARNING: THE LCD SCREEN CABLE CONNECTOR IS VERY FRAGILE.** When viewing the underside of the MSP Local Terminal, you'll see the MSP circuit board which is held in place by 4 Phillips head screws. Before removing the screws, the LCD screen ribbon cable must be disconnected from the circuit board. The connector that holds the ribbon cable is very fragile and care must be taken when attempting to unlock the latch.

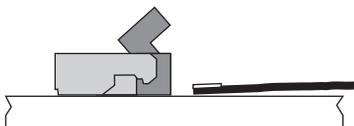


Refer to the diagrams above and below and have a clear understanding of how the latch works before attempting to unlock. There are two "wings", one on each side of the latch, that must be released. Because the wings are connected to each other, lifting on one will release both. With your fingernail, gently lift up on one of the wings. If you can't get your fingernail under the wing, use the included plastic washer tool (two are included). Gently hook the tool under a wing and lift up. If you still have trouble, use both tools, and lift both wings at the same time. **NOTE:** Do not use any metal or rigid tool on the wings as the latch is fragile and can easily break. Once the latch is released, gently pull the ribbon cable straight out from the connector.

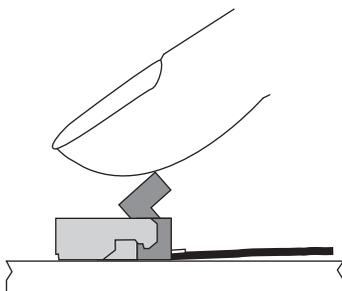


Carefully use fingernail or included plastic washer tool to lift the connector latch by the wings.

6. Remove ribbon cable from connector by gently pulling straight out.

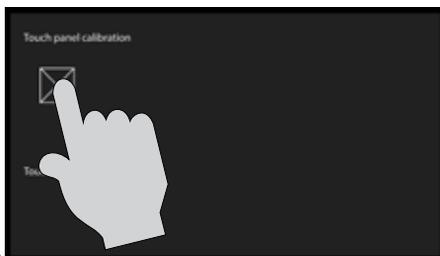
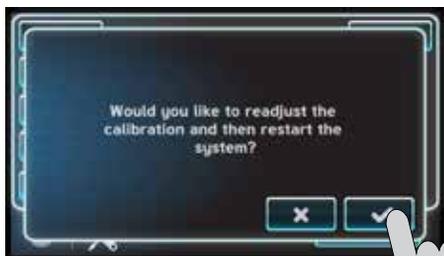
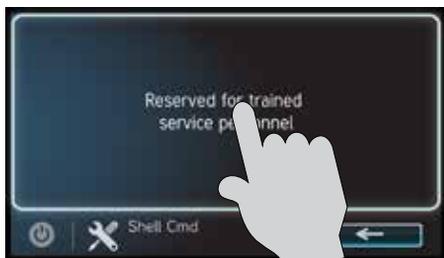


7. Unscrew the 4 Phillips head screws and carefully remove the MSP circuit board.
8. Insert the MSP circuit board into the HLX-LCD/HLX-LCD0520 taking care that the ribbon cable is routed in the same manner as shown on page 3. Do not attempt to insert the cable in the cable connector at this point.
9. Secure the MSP circuit board into the HLX-LCD/HLX-LCD0520 with the 4 Phillips head screws.
10. Insert the ribbon cable end into the cable connector. While applying slight forward pressure on the cable, gently secure the latch.



11. Reverse steps 1 through 4 to install the assembly into the OmniLogic
12. The OmniLogic should return to normal operation with no configuration needed. The last step is to calibrate the new touchscreen. Refer to the following screens. Once calibration is complete, the system will automatically power cycle.







For further information or consumer
technical support, visit our website at
www.hayward.com



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