MegaTronXS pH/ORP Upgrade Instructions

MegaTronXS controllers are designed to allow for the field installation of additional different system, communication or 4-20mA cards. These instructions are designed to guide you through the process of upgrading your MegaTronXS with pH and ORP.

Warning! Unplug the controller from all incoming power before working on the controller!

BNC Connector Installation

1. Locate the two small knockouts on the side of the MegatronXS box.
2. Drill a hole into both of the small knockouts with a 3/8 in. or #10 drill bit.
3. Pull both the black and red wires, attached to one of the BNC connectors, through the holes in the MegatronXS box. The wires should go into the box, leaving the BNC connector flush to the exterior box surface.
4. Slide the fastening nut over the red and black wires and onto the threads of the BNC connector.
5. Tighten the fastening nut onto the threads of the BNC connector.
6. Repeat steps 3 through 6 for the next BNC connector.

Drill Here
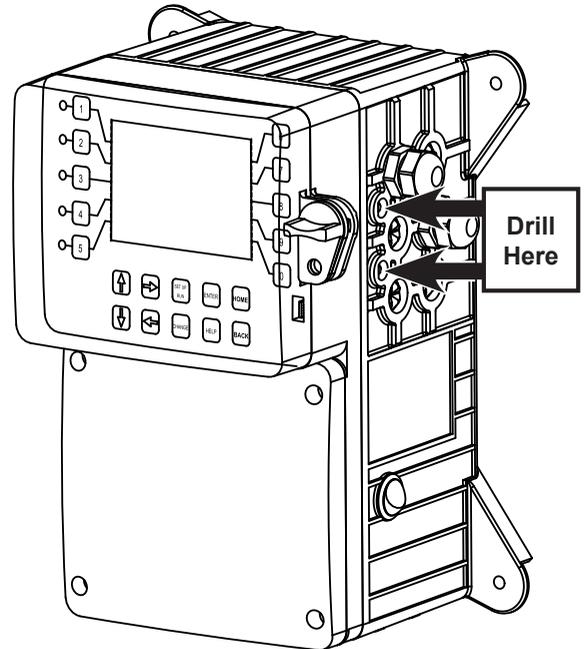
System Card Installation

1. Loosen the four display panel screws.
2. Remove the faceplate.
Note: Allow the faceplate to hang down onto the lower section of the MegatronXS box.
3. Remove the green connectors from the top of the current system card.
4. Remove the current system card from the first slot on the motherboard.
5. Place the pH/ORP system card into the first slot on the motherboard.
Note: All system cards slide into plastic card guides that may need to be gently forced open to allow the system card to slip into the grooves of the card guide to hold them in place. The indicator LED will point to the lower section of the MegatronXS box.
6. Press the new pH/ORP system card down firmly into the slot on the motherboard.

MegaTronXS Mother Board
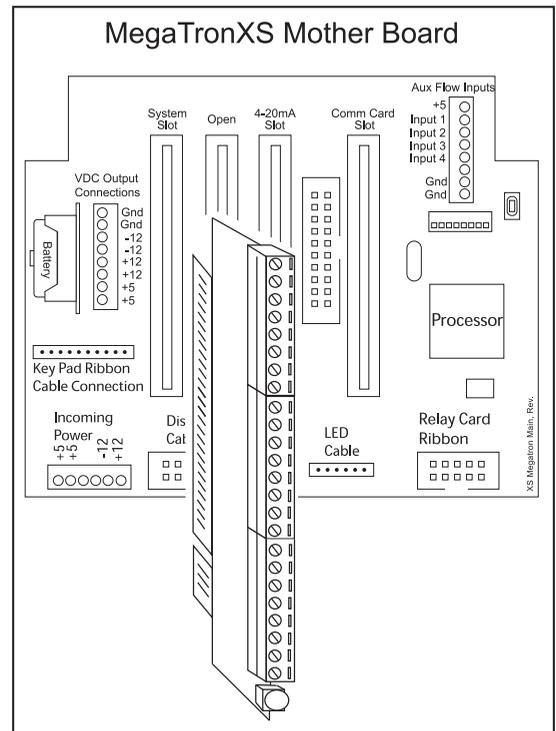
System Card Wiring

1. Wire the system card as shown at right.

Finishing Up

1. Power up controller.
2. Press the Setup/Run on the MegatronXS keypad.
3. Press the (7) Configure key.
4. Press the (0) Factory key.
5. Enter the Factory Password.

Note: To get the factory password, please contact the nearest Advantage Controls support representative or call 1-918-686-6211 to speak with a customer service team member.

6. Press the (2) Card I/O key.
7. Press the (3) pH key.
8. Scroll to the "pH Active" option using the up or down arrow key.
9. Press the Enter key to confirm this choice.
10. Press the (4) ORP key.
11. Scroll to the "active" option using the up or down arrow key.
12. Press the Enter key to confirm this choice.
13. Press the Setup/Run key to return to the Run Screen of the Megatron XS.

Standard System Card

ORP — Red
ORP — Black
pH — Black
pH — Red
Ground

LED