

Smart Touch Controller—Classic Version

The Classic Smart Touch Controller (STC) board is programmed with h3.27 software and provides the following enhancements:

- Backward compatibility with any operator using the Classic STC board
- Additional User Relay functions:
 - Option 20—Free Exit Loop Vehicle Detector output
 - Option 21—Inside Obstruction Vehicle Detector output
 - Option 22—Reset/Shadow Loop Vehicle Detector output
 - Option 23—External Latching Gate Lock output
 - Option 24—Gate at Partial Open Position

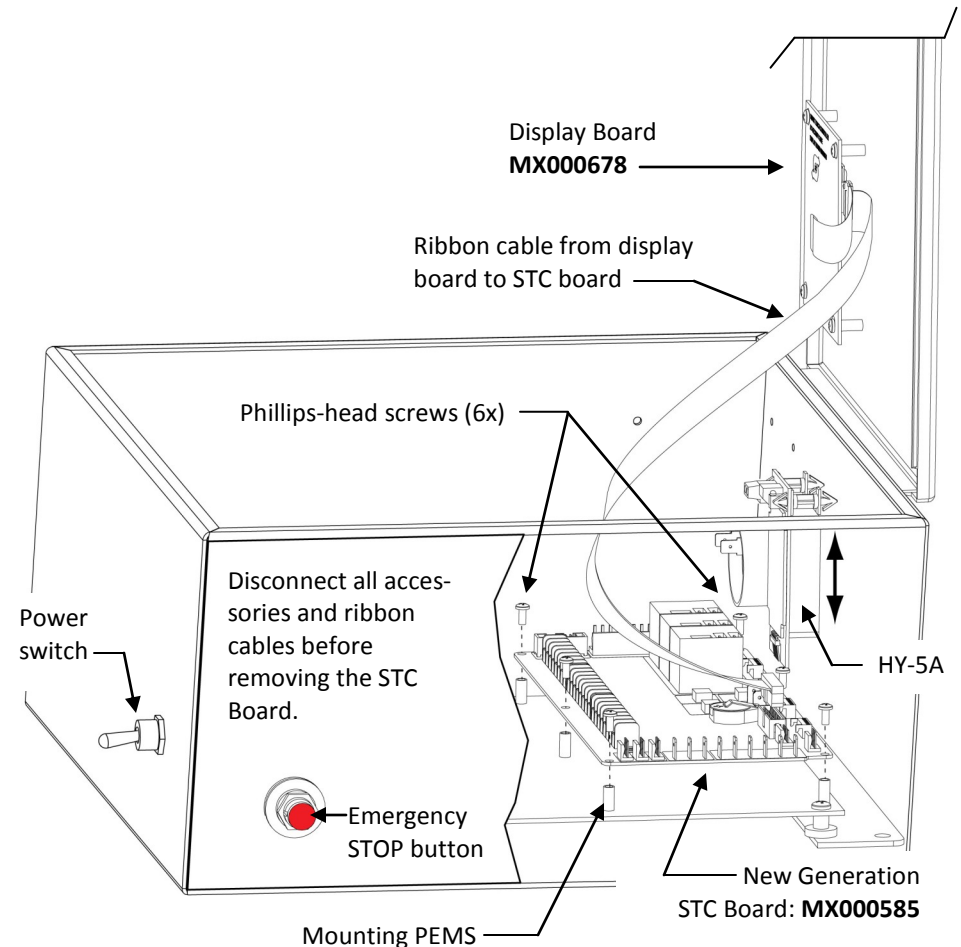
NOTE: For more information about user relay options, refer to the installation manual for your particular operator.

Software Upgrades

Keep your operator up-to-date with the latest software releases. To download software upgrades, you will need:

- A PC laptop computer with a current Microsoft operating system (2000, XP, or present)
- Internet access or CD with latest software
- A serial download cable (available through your HySecurity distributor)

The 3.27 software is downloaded into existing Classic STC boards using the START program which is available on the HySecurity website. You need to download the START program to your PC first before upgrading the Classic boards in the field.



Control Box—Display Board and cut-away view of the STC Board

Replacing the STC Board

To install an STC board, take the following steps:

1. Turn OFF power to the Control Box.
2. Use tape to identify the various accessory connections and then disconnect all accessory cables attached to the board.
3. Disconnect all ribbon cables and any HY-5A vehicle loop detectors.
4. Using a Phillips-head screwdriver, remove the six screws that secure the STC Board to the Control Box. Set the six screws aside.
5. Note the orientation of the board and align the holes in the replacement STC Board with the mounting standoffs. Secure the board using the screws removed in step 4.
6. Reattach all accessories, ribbon cables, and HY-5A vehicle detectors to their proper locations on the new STC board. Make sure all jumpers are in their proper location.

IMPORTANT: Make sure there are no twists in the ribbon cables. Do not force a ribbon cable's connection. The connectors are keyed so if it is difficult to connect, reassess the alignment as it will only go in one way.

7. Close the Control Box lid.
8. Turn ON power to the Control Box and run a test cycle of the gate and its accessories to make sure the STC board and display are working properly.

Compatibility Issues

If you are replacing an STC board in a Master-Slave situation, both STC boards must be the same type. If you are replacing a Classic STC board with a New Generation STC board, you must be sure the Display Board's part number is MX000678. Otherwise, it must be replaced. A Technical Bulletin, *Replacing the Smart Touch Controller and Display Board* (D0327) explains several scenarios when replacing a Classic STC board with a New Generation STC board. Technical Bulletins are available for viewing on the HySecurity website.

