CHAMBERLAIN®
LiftMaster®
PROFESSIONAL

LOGIC BOARD REPLACEMENT KIT
K1A6424-2 (315MHZ)
K1A6424-3 (390MHZ)

APPLICATION REQUIREMENTS:

Available to all limited duty commercial door operators using the Logic control board. Example model identifier: MT-5011-E.

NOTE: A monitored safety device MUST be installed for B2 wiring mode.

INSTALLATION

1. Disconnect power to operator.
2. Remove all wires from the existing logic board:
   • Unplug Factory Wiring Connector (P1).
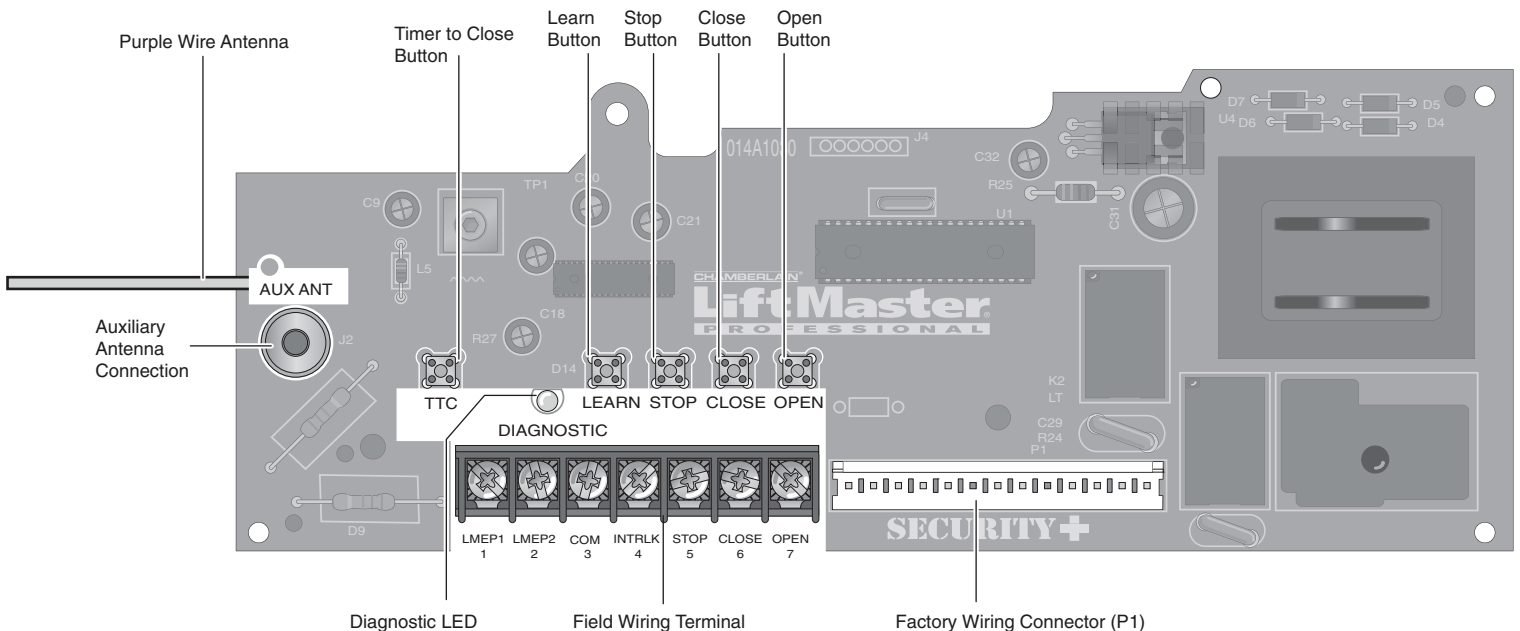   • Field control wiring from terminal strip.
   NOTE: Remember location of all wiring connections for reinstallation.
3. Remove the logic board from the mounting posts (5).
4. Install the new logic board into the operator, making sure that the logic board is correctly oriented. Press firmly until all of the mounting posts are completely through the mounting holes and secure the board with the plastic nuts (2).
5. Plug factory wiring connector into P1 connector on logic board.
6. Reconnect all field wiring to the field wiring terminal strip.
7. Make sure the electrical box is clear of all debris and tools.
8. Reconnect power to the operator and verify operation. Refer to page 2 to reprogram remote controls and settings as necessary.

⚠️⚡ WARNING

To avoid SERIOUS personal INJURY or DEATH from electrocution, DISCONNECT electrical power to operator BEFORE proceeding.

For more information:
www.devancocanada.com
or call toll free at 855-931-3334

LOGIC CONTROL BOARD

Purple Wire Antenna · Timer to Close Button · Learn Button · Stop Button · Close Button · Open Button · AUX ANT · Auxiliary Antenna Connection · TTC · DIAGNOSTIC · LEARN · STOP · CLOSE · OPEN · LMEP1 1 · LMEP2 2 · COM 3 · INTRLK 4 · STOP 5 · CLOSE 6 · OPEN 7 · SECURITY+ · Diagnostic LED · Field Wiring Terminal · Factory Wiring Connector (P1)

BASIC PROGRAMMING

DETERMINE AND SET WIRING TYPE MODE

Read the descriptions of the wiring types to determine which setting will be correct for each application.

TYPE

C2 Momentary contact to open and stop with constant pressure to close, open override plus wiring for sensing device to reverse. Timer to Close feature not available.

B2 Momentary contact to open, close and stop, open override plus wiring for sensing device to reverse. Timer to Close (TTC) feature available. (LMEP is required for this wiring type mode).

The operator factory defaults to C2 mode when installed without a LiftMaster Monitored Entrapment Protection (LMEP) device and B2 mode when an LMEP is installed.
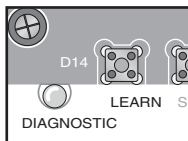
- If C2 mode is desired in conjunction with an installed LMEP press and hold LEARN and CLOSE for 3 seconds until DIAGNOSTIC LED goes off.
- To return to standard operation press and hold LEARN and Stop for 3 seconds until DIAGNOSTIC LED goes off.

PROGRAMMING REMOTE CONTROLS

Built in 315 MHz radio receiver permits as many as 20 Security✛® remote controls or dip switch remote controls in any combination.
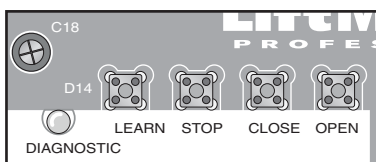
SINGLE BUTTON REMOTE CONTROLS

1. Press and release the LEARN button (DIAGNOSTIC LED will light.)
2. Press and hold the button on the remote control until the Diagnostic LED flashes rapidly, then release to complete programming (LED will go out).
3. Repeat steps 1 and 2 for additional remotes.

3-BUTTON REMOTE CONTROLS

1. Press and release the LEARN button (DIAGNOSTIC LED will light.)
2. Press and release the desired function for the remote button (OPEN, CLOSE or STOP.)
3. Press and hold the desired button of the remote control until DIAGNOSTIC LED flashes rapidly, then release.
4. Repeat for programming other buttons that are desired.

ERASING REMOTE CONTROLS

Press and hold the LEARN button (over 5 seconds) until the DIAGNOSTIC LED flashes rapidly. All learned remote controls will be erased.

⚠ WARNING

To prevent possible SEVERE INJURY or DEATH, install reversing sensors when:
- The radio is used.
- The 3-button control station is out of sight of the door.
- Or ANY other control (automatic or manual) is used.

Reversing devices are recommended for ALL installations.

TIMER TO CLOSE (TTC)

Timer to Close feature enables the operator to close the door after a preset time, adjustable from 5 to 60 seconds. LMEP must be connected and unobstructed in order to activate this feature. See installation section for proper LMEP installation.

PROGRAMMING TTC

1. Begin with door in fully closed position
2. Press and release the LEARN button (DIAGNOSTIC LED will light.)
3. Press and release the TTC button.
4. Every press and release of the STOP button will add 5 seconds to the Timer to Close. Example: 30 second TTC = 6 presses of the STOP button.
5. Press and release the TTC button to exit programming mode.
6. The DIAGNOSTIC LED will flash once per 5 seconds of timer setting.

The TTC will become active after completion of the next open cycle.

NOTE: *LED does not indicate that timer is running.*

CLEARING TTC

1. Press and release the LEARN button (DIAGNOSTIC LED will light.)
2. Press and hold the TTC button for at least 6 seconds.
3. DIAGNOSTIC LED will flash rapidly when button is released.

TIMER DEFEAT

The TTC can be temporarily disabled by pressing the STOP button on the logic board or STOP button on the 3-button control station. TTC becomes active after next open cycle.

RADIO OPERATION					
MODE	**OPEN**	**CLOSE**	**STOP**	**REVERSE FROM CLOSING**	**TTC RESET**
B2	X	X	X	X	
B2 with TTC	X		X	X	X WHEN OPEN
C2	X		X	X	

HOW TO ORDER REPAIR PARTS

DEVANCO CANADA

19192 HAY ROAD, UNIT Q
SUMMERSTOWN, ON K0C 2E0

TOLL FREE: 855-931-3334

www.devancocanada.com

**WHEN ORDERING REPAIR PARTS
PLEASE SUPPLY THE
FOLLOWING INFORMATION:**

✓ **PART NUMBER**
✓ **DESCRIPTION**
✓ **MODEL NUMBER**