TouchPad Control with LCD Display
by Spacesaver®

Installation Quick Reference

CAUTION
Spacesaver Recommends:
1. That Safety Glasses be worn during any cutting, drilling and grinding operations.
2. That safety gear such as Hard Hats, Safety Shoes, etc. be worn when required.
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SECTION I - PRE-INSTALLATION

SAFETY INFORMATION

The following information explains safety messages and warnings as may be used in Spacesaver Manuals. It is the implementation of the American National Standards Institute, Inc. (ANSI) Z535 Accredited Standards committee of Safety Signs and Colors as approved at their September 2005 Meeting. The Standards and Messages will be implemented in three ways or types of Safety Messages.

The first is the Group safety message which will be general in nature covering all Safety applications throughout the manual. This will be found on the introduction of the safety section for the manual.

The second will be the Section Safety message which will address the Safety requirements of the individual sections or chapters of the manual.

The third is the embedded safety message which will address the safety requirements for individual action(s) which requires safe implementation.

| DANGER | Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. |
| WARNING | Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury. |
| CAUTION | Indicates a potentially hazardous situation which if not avoided, may result in minor or moderate injury. |
| NOTICE | Indicates a property damage message |
SUGGESTED TOOL LIST

Your unique installation may require additional tools

- Cordless Drill
- Hand Wrenches
- Assorted Straight and Phillips Screwdrivers
- Drill Bit Set
- Markers
- Electrical Jumpers (2 pin), minimum 4 jumpers per LCD Control
- #4 Spanner Bit P.N. 550810.001 (For Tamper Proof Fastener)
- Touchpad USB Flash Cable P.N. 710493.001
- PC Laptop with EMLI 2.5.1, ECL_Flash 2.10 Applications and associated files.

INTRODUCTION

This manual covers installation of the LCD Touchpad Control in a condensed overview format. Please see “OP-0903 TouchPad Control with LCD Display” for a more through instruction.

An owners manual is provided to the end user for final setup and operation instructions. This file comes loaded on the Data Flash Drive “TPDATA” and is also available on SpaceNet2.0.
SECTION II - INSTALLATION

Step #1

VERIFY AND/OR UPGRADE ALL SOFTWARE AND Firmware PRIOR TO TOUCHPAD INSTALLATION.

Required Software Versions (or Higher):

- Touchpad Interface Software 1.00 or higher.
- EMLI Software 2.5.0 or higher.
- ECL Flash Software 2.1.0 or higher.

Required Firmware Version (or Higher):

- Mod Logic Firmware 2.40a or higher.
- Eclipse Logic Firmware 2.40a / Ind. 2.41a or higher.
- T-Board Logic Firmware, Avail. on FOB 1.04 or higher.
- Touchpad Control Firmware 1.01 or higher.
- ZFS Logic Firmware (Suggested) Avail. on FOB 1.43 or higher.

Note: Control requires I2C board in configuration. I2C boards are included in all catalog kit #’s.

Step #2

IDENTIFY HOW THE TOUCHPAD(S) ARE PLANNED AND THE ULTIMATE END USER REQUIREMENTS.

This information is gathered from the planning paper work, sales person and the end user. This information is critical in order to configure the controls and program the controls and module correctly the first time.
Step #3

CHECK AND/OR PLACE JUMPS BASED ON PLAN.

Option JMP A Settings

<table>
<thead>
<tr>
<th>Position</th>
<th>JMP1</th>
<th>JMP2</th>
<th>JMP3</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td>Front Module Control</td>
</tr>
<tr>
<td>B</td>
<td></td>
<td>on</td>
<td></td>
<td>Rear Module Control</td>
</tr>
<tr>
<td>C</td>
<td></td>
<td>on</td>
<td></td>
<td>Front Carriage Control</td>
</tr>
<tr>
<td>D</td>
<td></td>
<td>on</td>
<td>on</td>
<td>Rear Carriage Control</td>
</tr>
<tr>
<td>E</td>
<td>on</td>
<td></td>
<td></td>
<td>Front Module Control - No PIN Required</td>
</tr>
<tr>
<td>F</td>
<td>on</td>
<td></td>
<td>on</td>
<td>Rear Module Control - No PIN Required</td>
</tr>
<tr>
<td>G</td>
<td>on</td>
<td>on</td>
<td>on</td>
<td>Front Carriage Control - No PIN Required</td>
</tr>
<tr>
<td>H</td>
<td>on</td>
<td>on</td>
<td>on</td>
<td>Rear Carriage Control - No PIN Required</td>
</tr>
</tbody>
</table>

Note: All jump setting changes require reboot or cycle power in order to take effect. (PIN# ⇐↑, 5,↑, ⇐↓)

Step #4

TOUCHPAD CONTROL HEAD MOUNTING

There are 3 types of mounting configurations,
1. New Installation
2. Upgrading from an existing Keypad Control
3. Upgrading from an existing Control Head

Note: For upgrades, only one kit is available and includes both the cover plate and the spacer. P.N. 440360.001. This kit includes 1 cover plate P.N. 380535.002, 1 Control Head Spacer P.N. 300473.001 and fastener P.N. 96047.01 for spacer and 960148.001 for cover plate.
For new installations, you should have mounted the lower control head mounting bracket supplied during the face panel installation for each control to be mounted. If not, do so now.

Upgrading an existing Keypad Control will require a cover plate along with the Touchpad Control Head Spacer. Use cover plate as a template to mark face panel mount locations. Using a 9/64” bit, drill thru laminate at marks made on face panel. Mount cover plate using tamper proof fastener. Using a 9/64” bit, drill thru laminate at both spacer mount holes in cover plate. Mount control head spacer to cover plate.

Upgrading from an existing Control Head Discard cover plate from kit. Using the mount spacer as a guide, mark both mount locations on face panel. Using a 9/64” bit, drill thru laminate Mount control head spacer over existing face panel cutout.

Step #5

WIRING THE LCD TOUCHPAD CONTROL

I2C Booster Board to Logic Board: Connect 5 pin connector cable supplied to J12 (I2C Bus) on corelogic board and J5 (Comm I/O A) on the I2C booster board.

Touchpad Control to I2C Booster Board: Connect 4 pin connector supplied to J4, J6 or J8 (Boost I/O) on the I2C booster board and J8 on the touchpad control board. Connect rear touchpad control the same as front on dual entry modules.

Note: Module Control “Configuration A” mounted on a platform does not require a connection to J11 on the Touchpad Control board.

Single Entry, Connect 10 pin connector cable to J19 (Front Control) on corelogic board to the touchpad cable adapter harness, connect adapter harness to J11 on the Touchpad Control Board on upgrade installations.

Dual Entry, Connect 10 pin connector cable to J19 (Front Control) on corelogic board to the front touchpad J11 on the Touchpad Control Board. Connect 2nd 10 pin connector cable to J16 (Rear Control) on corelogic board to the rear touchpad cable adapter harness, connect adapter harness to J11 on the Touchpad Control Board on upgrade installations.

Optional Connections

Touchpad Stationary Control & Touchpad On/Off Control, Connect 2 pin connector to J11 on the corelogic board, pins 1 & 2 for On/off Control (Red Label), pins 3 & 4 for Stationary Control (Green Label) and J5 on the touchpad control board.

Front Touchpad Enabled and Rear Touchpad Enable, Once a touchpad is connected and the system is powered, the Touchpad will be auto-detected by the system. See document OP-0624 for more information about programming Eclipse systems.
Once module is powered, program all initial settings on LCD Touchpad(s).

Enter P.I.N. “1234”

|------------------|---------------|----------------|--------------|------------------|-------------------|--------------|-------------|-------------------|-------------|----------|---------------------------|----------------|

### Set Time: 5, 1, 1
1. Enter PIN code.
2. Press the Enter button.
4. Press 1 (MANAGE OPTIONS).
5. Press 1 (SET TIME).
6. Follow instructions to set time.

### Set Date: 5, 1, 2
7. Enter PIN code.
8. Press the Enter button.
11. Press 2 (SET DATE).
12. Follow instructions to set date.

### Set DST: 5, 1, 4
13. Enter PIN code.
14. Press the Enter button.
15. Press 5 (ADMINISTRATION).
17. Press 4 (SET DST).
18. Follow instructions to toggle DST.

### Set Audit Trail Overflow: 5, 3, 3
On = Overwrite oldest when memory full.
Off = Login will force download when memory full.
1. Enter PIN code.
2. Press the Enter button.
4. Press 3 (MANAGE AUDIT LOG).
5. Press 3 (SET OVERFLOW MODE).
6. Follow instructions to toggle audit trail overflow.

### Set Secure AISLE: 5, 4, 3
Secure AISLE is the aisle that should be open when system is secure. Default is 0 which is no secure aisle.
1. Enter PIN code.
2. Press the Enter button.
5. Press 3 (SET SECURE AISLE).
6. Follow instructions to set secure aisle.

### Set Option 1 Mode: 5, 4, 5
Single = Single Entry Module (Default)
Dual = Dual Entry Module.
1. Enter PIN code.
2. Press the Enter button.
5. Press 5 (SET OPTION 1 MODE).
6. Follow instructions to set Option 1 mode.

### Set Reset: 5, 4, 6
Off = Remote Mounted Control.
On = Carriage Mounted Control.
1. Enter PIN code.
2. Press the Enter button.
5. Press 6 (RESET ENABLE).
6. Follow instructions to set Reset Enable.
Step #7

PROGRAM MODULE BASED ON SECURITY PLAN

With EMLI connected to your module, program each unit based on the overall security plan. Note that LCD-TouchPads are auto detected and enabled.
Step #8

SETUP & CONFIGURATION OF USER P.I.N.’S

Technically you have completed installation of the LCD TouchPad. However, in many installations it has been necessary for the installation personnel to assist the end user with setup and configuration of the TouchPad Interface Software. This software is used to setup Security Classes, assign user P.I.N.#s to the Security Classes and finally upload this information to each LCD Touchpad control in the installation.

Begin by running “setup.exe” located on the data flashdrive, this installs software onto customer’s computer. Refer to “Spacesaver Eclipse Touchpad Users Manual.pdf” also located on the flashdrive, for step by step instructions.

Note: Complete one Module/Carriage configuration completely and then copy this module to a new module. Make one copy for each touchpad used in your installation.