LiteTouch®

Brilliant Solutions in Lighting Automation

Style

Power

Beauty

Product Catalog

Emotion

Elegance Simplicity

PRODUCT CATALOG

The Mastermind Behind Great Lighting Control:
LiteTouch Central Control Units

All LiteTouch systems are controlled by a Central Control Unit (CCU) which is the brain of the system. It receives switch press information from the keypad, processes the commands and transmits the instructions to the Control Modules. It retains switch and load assignment information indefinitely, even during a power outage or spike. Best of all, LiteTouch CCUs are easily reprogrammed at any time to suit the user's needs.

LITETOUCH CCUS

FEATURES	COMPACT	STANDARD	5000LC
Programmable Fade Rates	●	●	●
Programmable Ramp Rates	●	●	●
Random Vacation Mode	●	●	●
Diagnostic LEDs and Software	●	●	●
Minimum Dimmer Turn On	●	●	●
RF and IR Remotes*	●	●	●
Unlimited Scene Presets	●	●	●
Master Dimmer Turn On	●	●	●
Variable Speed Motor Control	●	●	●
Interface Capabilities:	●	●	●
Environment Controls (HVAC)	●	●	●
Security Systems	●	●	●
Motion Sensors, Photo Cells	●	●	●
Audio/Video	●	●	●
Daily / Weekly / Date Time Flags	●	●	●
Multiple Location Control	●	●	●
Group Mastering	●	●	●
Timed Off Function	●	●	●
RS-232 Port / Computer Interface	●	●	●
Pathway Lighting	●	●	●
Invert LEDs	●	●	●
Restore Feature	●	●	●
Manual Override	●	●	●
On Again to Previous Dim Level	●	●	●
Preset Locks	●	●	●
Astronomical Time Clock	●	●	●
Telephone Interface With Modem		*	●
Self-Contained Programmability (No laptop required)	●		
Sequential Programming			●
Conditional Programming			●
Control Station Lockout			●
Switch Lockout			●
Master Conditions on All Switch Types			●
Load / Switch Description Programming			●
Combination Locks			●
Custom Switch Types			●
Upgradable Firmware			●
Ethernet Communication Enabled			*

*Optional feature

SPECIFICATIONS	COMPACT	STANDARD	5000LC
Control Stations	40	256	256
Control Modules	40	100	256
Loads	320	800	2,048

5000LC CCU

The 5000LC Central Control Unit is the flagship processor for LiteTouch. This CCU offers all the capabilities of standard lighting control plus conditional/sequential logic, startup events, user defined programming and an expandable design to accommodate the most advanced features in lighting control. The CCU has four Control Module ports and four keypad ports inside the CCU's backbox.

The 5000LC CCU's rack mount design enables it to stay at the technological forefront by offering upgradeable cards. The seven card slots provide for future expansion of modems and ethernet cards. A built-in redundant processor in the controller cabinet provides fail safe operations.

Every 5000LC Card Set contains the following:
> CPU Card:
>> Provides the processing of a LiteTouch system. This card is available with either one or two serial ports.
> Connection Card:
>> Provides communication to modules and stations in a LiteTouch system. Acts as a backup for switch to load programming in the 5000LC.
> Monitor Card:
>> The 5000LC Monitor card provides power switching of the 5000LC CCU and low voltage suppression for LiteTouch station and module communication.

Available 5000LC Upgrades:
> CPU Card with ethernet capabilities:
>> (One serial port plus one ethernet port)
>> See above for product description.
> Modem Card:
>> Provides user control of the LiteTouch system via the telephone and allows diagnostic access from a remote location for programming control and modifications.

The 5000LC Card set is required for the CCU to function.

Dimensions
14" H x 16" W x 5" D

Catalog Numbers
5000LC Enclosure w/power supply: 08-5000-00
5000LC 3-Card Blank Slot Cover: 08-5000-28
5000LC 4-Card Blank Slot Cover: 08-5000-30
Individual Cards:
> Monitor Card: 08-5000-18
> Serial Only CPU Card: 08-5000-20

Ethernet/Serial Enabled CPU Card: 08-5000-40
Connection Card: 08-5000-22
Modem Card: 08-5000-26

CCU Card Packs (also requires 08-5000-00):
> CCU Card Pack with Ethernet/Serial Enabled CPU Card
>> 08-5000-08
>> 08-5000-10: with Modem Card

> CCU Card Pack with Serial Only Enabled CPU Card
>> 08-5000-04
>> 08-5000-06: with Modem Card

Compact CCU

The Compact Central Control Unit offers system control of smaller LiteTouch systems. The CCU has two Control Module ports and two keypad ports. The CCU is programmed via the RS-232 Serial port.

Dimensions
8 1/2" H x 12 1/4" W x 1" D

Catalog Number
08-2001-10

Standard CCU

The Standard Central Control Unit offers system control of larger LiteTouch systems. This CCU has four Control Module ports and four keypad ports. The Standard CCU has optional modem capabilities for telephone interfacing. A unique LCD display allows for programming and diagnostic review without a computer.

Dimensions
8 3/4" H x 12 1/2" W x 2 1/2" D

Catalog Numbers
Standard CCU: 08-2000-01
Standard CCU with modem: 08-2000-06

ENCLOSURES, ENCLOSURE LIDS & BACKBOXES

LiteTouch — Brilliant Solutions in Lighting Automation

Solutions Program: Powerful solutions for Your Custom Programming and Integration needs.

Maximize the functionality of the 5000LC CCU with the help of the new LiteTouch Solutions Program.
Solutions can help you:
· Specify your job
· Write your full program
· Create custom switch types
· Enhance pre-existing programs
· Program your jobs right the first time

Whether you're brand new as a LiteTouch Dealer, or don't have time to program, separate yourself from the competition by utilizing the power of LiteTouch Solutions and the 5000LC Lighting Control System.

Call LiteTouch Tech Support (1-800-527-5527) for more details.

CCU Factory Programming

LiteTouch CCU Factory Programming provides LiteTouch dealers with advanced programming design for complex applications. This programming may also be used for newer dealers requiring assistance on their first LiteTouch projects.

Call LiteTouch Tech Support (1-800-527-5527) for more details.

Factory Checkout and Technical Onsite Service

To ensure the installation of your LiteTouch system meets the same high standards set by the factory, LiteTouch offers the Factory Checkout. This is an onsite inspection by a LiteTouch Certified Systems Inspector.

Call LiteTouch Tech Support (1-800-527-5527) for more details.

5000LC CCU Enclosure with Power Supply

The 5000LC CCU Backbox houses the 5000LC back-plane board and power supply. It is made of heavy-gauge steel covered with a wheat-colored, non-corrosive protective coating. The 5000LC Card Set is ordered separately and slides into the individual card positions to connect with the back-plane. It is installed at the same time as the initial rough-in.

Dimensions
14" H x 16" W x 5" D

Catalog Numbers
08-5000-00 (also requires one of the 5000LC Card Sets: 08-5000-06 or 08-5000-04. See Previous Page.)

CCU Backbox

The Surface Mount CCU Backbox is a simple rough-in box for the Standard or Compact CCU. The CCU mounts to the side of the backbox allowing the hinged CCU to swing open for easy wiring access.

Dimensions
8" H x 11" W x 4" D

Catalog Number
08-8025-01

CCU Backbox With Wiring Harness

The CCU Backbox with Wiring Harness provides a termination point for the keypad and module runs. This is a perfect option for projects with more than 60 keypads. The wiring harness allows for quick connection of both module and keypad wires. For use with Compact and Standard CCUs only.

Dimensions
Surface Mount: 14" H x 11 3/4" W x 4" D
Recessed Mount: 14" H x 11 3/4" W x 4" D

Catalog Numbers
Surface Mount: CCU Backbox With Wiring Harness: 08-8025-03
Recess Mount: CCU Backbox With Wiring Harness: 08-8025-04

Four Module Enclosure

The LiteTouch Four Module Enclosure houses four individual LiteTouch Modules. It is made of heavy gauge steel and has a corrosion protectant seal. The latched lids can be surface or recess mounted.

Now Available
Additional Transorb Boards can be added to the Enclosure for each individual module to increase equipment protection.

Now Available
The Enclosure Voltage Separator can be added to any Enclosure to enable 120 and 277 volt modules to mount within the same enclosure. *Note:* Ensure this meets your local electrical code prior to specification.

Dimensions
Four Module Enclosure: 37" H x 20" W x 4" D
Lids: Recessed Mount: 38.5" H x 20.6" W
        Surface Mount: 36.8" H x 19.8" W

Catalog Numbers
Four Module Enclosure: 08-8024-01

Lids: Surface Mount: 08-8024-02 (Includes Latch Kit)
         Recessed Mount: 08-8024-03 (Includes Latch &
                                Recess Installation Kit)

Enclosure Voltage Separator: 08-8024-20

Two Module Enclosure

The LiteTouch Two Module Enclosure houses two individual LiteTouch Modules. It is made of heavy gauge steel and has a corrosion protectant seal. The lids can be surface or recess mounted.

Dimensions
Enclosure: 20" H x 20" W x 4" D
Recessed Mount Lid: 22" H x 22" W
Surface Mount Lid: 20" H x 20" W

Catalog Numbers
Two Module Enclosure: 08-8024-08

Lids: Surface Mount: 2580-022
         Recessed Mount: 2580-024

LiteTouch Control Modules

Utilizing safe, low-voltage control signals, LiteTouch provides the flexibility to control lights from many different locations.

Master Control
Master switches permit monitoring and control (even in groups) of every light in the home; an easy way to save energy costs by selectively turning off groups of lights. Control Modules are the work horses of the system that make this functionality possible.

Convenience & Functionality
LiteTouch Modules create a level of convenience impossible to achieve with conventional wiring. They not only switch lights on and off, but offer a full range of dimming as well.

The Heart of a Hard-working System
At their very heart, Control Modules are high-tech printed circuit boards mounted in aluminum cans, which are secured in LiteTouch's own enclosures. Although simplistic in their design, Control Modules can't be underestimated, as their rugged design and functionality make any lighting design you can imagine a reality. Control Modules bring a whole new dimension of unparalleled beauty and functionality to any home--big or small.

Communication Made Possible
The LiteTouch System can also integrate with virtually every system within the project, making your home a truly automated home.

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Brilliant Solutions in Lighting Automation

How Do I Know What Modules I Need?

Below is a list of load types and modules best suited to handle those load types.

LOAD TYPE	RECOMMENDED MODULE
Incandescent 1 to 15 Amp	Eight Channel Dimmer Module
High Power Relay Module
Incandescent 16 to 20 Amp	Quad Dimmer Module
Dual 20 Amp Dimmer Module
Low Voltage Incandescent (Magnetic Transformer)	Eight Channel Dimmer Module
High Power Relay Module
Low Voltage Incandescent Electronic Transformer Dimmer Module	Eight Channel Dimmer Module
Electronic (Inverse Phase) Dimmer Module
High Power Relay Module
Forward Phase Control Fluorescent Dimming Ballast	Eight Channel Dimmer Module
Motor Loads (i.e. fans, disposals, pumps)	High Power Relay Module
Fan Speed Control Module
Wall Outlets	High Power Relay Module
Fluorescent (non-dimming)
Fluorescent (dimming)	High Power Relay Module
Fluorescent Dimmer Module
Fluorescent Magnetic Dimming Ballast	Electronic Ballast (0-10 VDC) Dimmer Module
Neon/Cold Cathode (non-dimming)
Neon/Cold Cathode (dimming)	High Power Relay Module
Eight Channel Dimmer Module
High/Low Intensity Discharge (non-dimming)	High Power Relay Module
Motion Control (motorized window treatments, skylights, pool covers, etc)	High Power Relay Module
Low Voltage (HVAC, Audio/Video, alarms, some window treatment controls)	Low Voltage Relay Module
Non-system Information Interface (Security, home automation, radio frequency, etc.)	Momentary Contact Data Input
Non-system Information Interface (Photocells, motion sensors, garage door openers)	Maintained Contact Data Input

8 Channel Dimmer Module

The 8-Channel Dimmer Module provides dimming of incandescent, neon, cold cathode, forward phase control fluorescent ballasts, and magnetic low voltage transformer loads. The module is rated at 20 Amps or 2400 watts (de-rated to 1920 watts) at 120 VAC, 4400 watts (de-rated to 3520 watts) at 240 VAC, and 5540 watts (de-rated to 4432 watts) at 277 VAC.

Note: The Enclosure Voltage Separator can now be added to the Enclosure to enable various voltage modules within the same enclosure. Ensure this meets your local electrical code prior to specification.

Dimensions
10 3/4" W x 7 5/8" H x 3" D

Catalog Numbers
120 v: 08-2108-01
240 v: 08-2108-02
277 v: 08-2108-03

Dual 20 Amp Dimmer Module

The Dual 20 Amp Dimmer Module provides dimming of large incandescent, neon, cold cathode, forward phase control fluorescent ballasts, and magnetic low voltage transformer loads. The module has two 20 Amp inputs and a de-rated output of 1920 watts per output. Feeds must be on the same phase.

Dimensions
10 3/4" W x 7 5/8" H x 3" D

Catalog Number
120 v: 08-2125-01

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Quad Dimmer Module

The Quad Dimmer Module provides dimming of large incandescent, neon, cold cathode forward phase control, fluorescent ballasts, and magnetic low voltage transformer loads. The module has two 20 Amp inputs and a de-rated output of 1920 watts (120 VAC) or 3840 watts (240 VAC) for each pair of outputs. Feeds must be on the same phase.

Dimensions
10 3/4" W x 7 5/8" H x 3" D

Catalog Numbers
120 v: 08-2134-01
240 v: 08-2134-02

Inverse Phase Dimmer Module

The Inverse Phase Dimmer Module provides dimming of solid state low-voltage electronic transformer loads. The module has one 20 Amp input and a de-rated output of 1920 watts (120 VAC) or 3840 watts (240 VAC) distributed over six outputs with a maximum 480 watts (120 VAC) or 960 watts (240 VAC) per output.

Dimensions
10 3/4" W x 7 5/8" H x 3" D

Catalog Numbers
120 v: 08-2140-01
240 v: 08-2140-02

Fluorescent Dimmer Module

The Fluorescent Dimmer Module provides dimming of fluorescent loads with magnetic dimming ballasts. The module has one 20 Amp input and a de-rated output of 1920 watts (120 VAC), 3840 watts (240 VAC) or 4432 watts (277 VAC) distributed over four fused outputs.

Note: The Enclosure Voltage Separator can now be added to the Enclosure to enable various voltage modules within the same enclosure. Ensure this meets your local electrical code prior to specification.

Dimensions
10 3/4" W x 7 5/8" H x 3" D

Catalog Numbers
120 v: 08-2138-01
240 v: 08-2138-02
277 v: 08-2138-03

Electronic Ballast Dimmer Module

The Electronic Ballast Dimmer Module (0-10 VDC) provides dimming of electronic fluorescent ballasts that require an analog input with switched 120 VAC.

Note: The Enclosure Voltage Separator can now be added to the Enclosure to enable various voltage modules within the same enclosure. Ensure this meets your local electrical code prior to specification.

Dimensions
10 3/4" W x 7 5/8" H x 3" D

Catalog Numbers
120 v: 08-2150-01
240 v: 08-2150-02
277 v: 08-2150-03

Fan Speed Control Module

The Fan Speed Control Module provides three-speed control of ceiling fans. The module has four outputs rated at two amps. Each output provides control of one fan.

Note: Not suitable for electronic ceiling fans.

Dimensions
10 3/4" W x 7 5/8" H x 3" D

Catalog Number
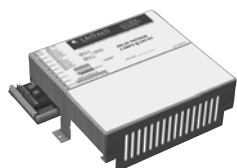08-2118-01

35 Amp Auxiliary Mercury Relay Module

Switches loads that are too heavy for conventional LiteTouch Relay Modules. This module must be mounted upright to work properly.

Dimensions
2" W x 5" H x 2 1/4" D

Catalog Number
08-2230-01

Low Voltage Relay Module

The Low Voltage Relay Module provides low voltage dry contact closure to devices such as skylights, draperies, blinds, pool/spa pumps, etc. The module has eight outputs and requires DC power input from a LiteTouch power supply. It occupies one half of a module can.

Dimensions
10 3/4" W x 7 5/8" H x 3" D

Catalog Number
08-2235-01

Power Supply Modules

The LiteTouch Power Supply Modules provide DC power to Low Voltage Relay Modules, Data Input Modules, Keypads, Data Input Keypads, and Standard and Compact CCUs. Each Power Supply is rated at two Amps and occupies one half of a module can.

Note: The Enclosure Voltage Separator can now be added to the Enclosure to enable various voltage modules within the same enclosure.Ensure this meets your local electrical code prior to specification.

Dimensions
10 3/4" W x 7 5/8" H x 3" D

Catalog Numbers
Single Power Supply Module 120 v : 08-8610-01
240 v: 08-8610-03
Dual Power Supply Module   120 v: 08-8620-01
240 v: 08-8620-03

High Power Relay Module

The High Power Relay Module provides switching of large loads. The module has eight inputs and eight outputs. Each output is rated for 20 Amps de-rated. Consecutive outputs cannot exceed 30 Amps.

Note: The Enclosure Voltage Separator can now be added to the Enclosure to enable various voltage modules within the same enclosure. Ensure this meets your local electrical code prior to specification.

Dimensions
10 3/4" W x 7 5/8" H x 3" D

Catalog Numbers
120 v: 08-2210-01
240 v: 08-2210-02
277 v: 08-2210-03

Maintained Contact Data Input Module

The Maintained Contact Data Input Module provides sensing of dry contact closure from a third party device. The module allows third party devices to trigger events in the LiteTouch System. The module has eight inputs and is powered from the control station line. It occupies one half of a module can.

Dimensions
10 3/4" W x 7 5/8" H x 3" D

Catalog Number
08-2290-01

Momentary Contact Data Input Module

The Momentary Contact Data Input Module provides sensing of momentary dry contact closure from a third party device. The module allows third party devices to trigger events in the LiteTouch system including Dimming a load from a momentary switch. The module has eight inputs and is powered from the control station line. It occupies one half of a module can.

Dimensions
10 3/4" W x 7 5/8" H x 3" D

Catalog Number
08-2290-02

Combination Modules

Some modules only take up half of the space of one Module can and are able to be combined with other Modules. The following are the possible Module combinations:

Catalog Numbers
- Power Supply/Low Voltage Relay: MIXED 001
- Power Supply/Momentary Contact Data Input Module: MIXED 002
- Power Supply/Maintained Contact Data Input Module: MIXED 003
- Low Voltage Relay/Momentary Contact Data Input Module: MIXED 004
- Low Voltage Relay/Maintained Contact Data Input Module: MIXED 005
- Momentary/Maintained Contact Data Input Module: MIXED 006
- Dual Low Voltage Relay Module: DUAL 001
- Dual Momentary Contact Data Input Module: DUAL 002
- Dual Maintained Contact Data Input Module : DUAL 003

Dimensions
10 3/4" W x 7 5/8" H x 3" D

More Beauty For Your Lighting Control System:
LiteTouch Keypads

LiteTouch Keypads connect in parallel and have their own selectable address for communication with the CCU. This concept allows simple wiring while preserving total flexibility. It is possible to independently assign any control keypad switch to control any load. Any given load can be controlled from several different control keypads, or any switch can be assigned to simultaneously control many loads (a master mode).

Custom made Keypads are available in up to eight gangs.

Six Steps to Ordering a LiteTouch Keypad

1. Choose the **Keypad style** and insert it in the Keypad's catalog number where specified.

2. Choose the **faceplate finish** from premium or standard finishes and add to the catalog number where specified.

3. Choose the **number of buttons** to go on the Keypad and insert it in the catalog number where specified.

4. Choose the **button color**, engraving and fill and add to the catalog number where specified.

5. Once the catalog number has been created, submit it with your order and **specify quantity**, **description** and **per unit price** (individual dealer pricing is provided by your Authorized Representative).

6. Authorized Dealers and Reps **Fax your completed purchase order to LiteTouch, Inc.,** 801.486.8569. You may also email your order to your designated Inside Sales Associate.

Metropolitan Series Keypad

Polished Gold Faceplate with Nine Black Backlit Buttons

Metropolitan Keypad Features:
- Small, square buttons.
- One to nine buttons in a single gang.
- LED status indicators embedded onto the button
- Engraved buttons with up to two lines of text, 8 characters per line.
- Optional nite-light mode makes it easy for guests to turn on the lights even in the dark.

Optional Upgrades:
- Backlit buttons makes fast work of finding just the right scene every time (up to two lines of text, 5 characters per line).
- Add IR to your keypad and see how convenient lighting control can be - from your couch.

Catalog Numbers

# of Buttons	Standard	With Backlit Buttons
1	MET-X01-XXX	MET-B01-XXX
2	MET-X02-XXX	MET-B02-XXX
3	MET-X03-XXX	MET-B03-XXX
4	MET-X04-XXX	MET-B04-XXX
5	MET-X05-XXX	MET-B05-XXX
6	MET-X06-XXX	MET-B06-XXX
7	MET-X07-XXX	MET-B07-XXX
8	MET-X08-XXX	MET-B08-XXX
9	MET-X09-XXX	MET-B09-XXX

MET- X 01 - X X X

Base Part Number

Backlit - if no backlit place X

Station Number-1-9,12,15,18. anything custom place an X and define in specs.

FacePlate/Btn Color/IR
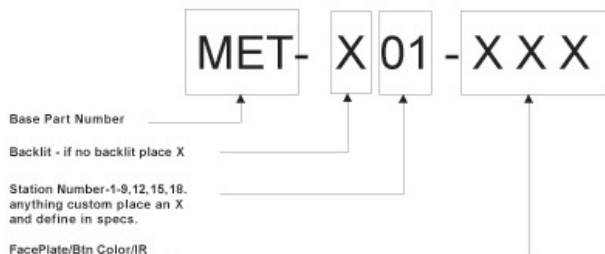
Example: MET-B01-MO2X (1-button Metropolitan Style Keypad with Backlit buttons, Dark Oil Rubbed Bronze faceplate, black buttons and no IR).

Metropolitan Series keypad Dimensions

2 3/4"   11/16"   1 3/4"

4 1/2"   2 13/16"

Front View   Side View   Back View
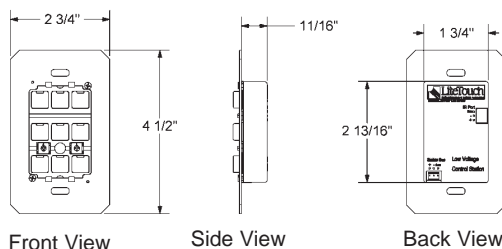
S-Series Keypad

Satin Stainless Steel with 8 White Buttons

S-Series Keypad Features:
- Small, square buttons
- One to nine buttons in a single gang (see the Standard Single-Gang Keypad Configurations chart on page 16 for details).
- Rectangular LED inset just above button.
- Engraved buttons with up to two lines of text, 8 characters per line.

Dimensions
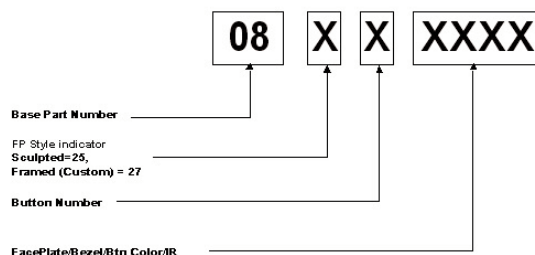See the chart on the bottom of page 11 for double and single gang Keypad dimensions.

Catalog Numbers
Single Gang Keypads

# of Buttons	Standard
1	08-2501-XXXX
2	08-2502-XXXX
3	08-2503-XXXX
4	08-2504-XXXX
5	08-2505-XXXX
6	08-2506-XXXX
7	08-2507-XXXX
8	08-2508-XXXX
9	08-2509-XXXX

Double Gang Keypads

# of Buttons	Standard
12	08-2512-XXXX (6+6)
15	08-2515-XXXX (9+6)
18	08-2518-XXXX (9+9)

08 X X XXXX

Base Part Number

FP Style indicator
Sculpted=25,
Framed (Custom) = 27

Button Number

FacePlate/Bezel/Btn Color/IR

Note: Standard Keypads do not have a bezel therefore the second position will hold an X.

Infared =I
No Infared = X

Example: 08-2508-WX9X (8-button "S" Series Keypad, with white faceplate, buttons, and no infrared)

S-Series IR Only Keypads

Single-gang Keypad with an IR receiver in the ninth position (see page 16 for Keypad configurations) behind an S-Series style IR window. Call to order.

H-Series Keypad

White Steel with 5 Brown Buttons

H-Series Keypad Features:
- Sleek, horizontal buttons with an LED inset on the right side of the button
- One to nine buttons in a single gang (see the Standard Single-Gang Keypad Configurations chart on page 16 for details)
- Engraved buttons with one line of text, 10 characters per line.

Dimensions
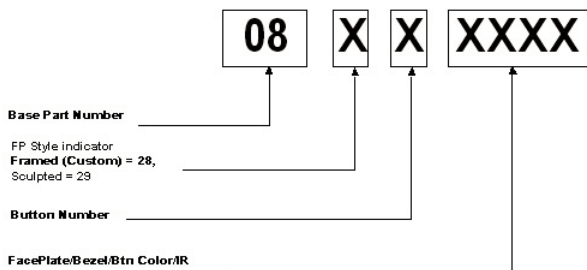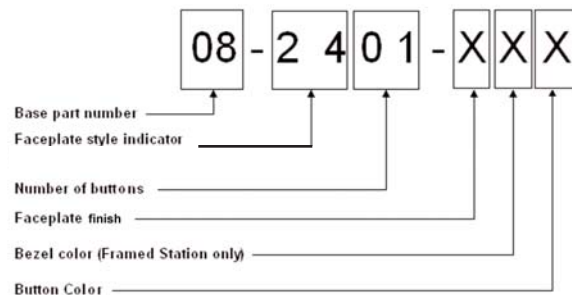See chart on the bottom of page 11 for double and single gang Keypad dimensions.

Catalog Numbers
Single Gang Keypads

# of Buttons	Standard
1	08-2901-XXXX
2	08-2902-XXXX
3	08-2903-XXXX
4	08-2904-XXXX
5	08-2905-XXXX
6	08-2906-XXXX
7	08-2907-XXXX
8	08-2908-XXXX
9	08-2909-XXXX

Double Gang Keypads

# of Buttons	Standard
12	08-2912-XXXX (6+6)
16	08-2916-XXXX (8+8)
18	08-2918-XXXX (9+9)

08 X X XXXX

Base Part Number
FP Style indicator **Framed (Custom) = 28,** Sculpted = 29
Button Number
FacePlate/Bezel/Btn Color/IR

Note: Standard Keypads do not have a bezel therefore the second position will hold an X.

Infared =I
No Infared = X

Example: 08-2908-WX9X (8--button "H" Series Keypad with white faceplate and buttons, and no infrared.)

H-Series IR Only Keypad

Single-gang Keypad with an IR receiver in the ninth position (see page 16 for keypad configurations) behind an H-Series style shaped IR window. Call to order.

E-Series Keypad

Almond Steel with Four Almond Buttons

E-Series Keypad Features:
- Large, easy to read square buttons with a LED inset just above.
- One to four buttons in a single gang (see the Standard Single-Gang Keypad Configurations chart on page 16 for details)
- Engraved buttons with two lines of text, 8 characters per line.

Dimensions
See chart on the bottom of the page for double and single gang Keypad dimensions.

Catalog Numbers

Single Gang Keypads		Double Gang Keypads	
# of Buttons		# of Buttons	
1	08-2401-XXX	5	08-2405-XXX
2	08-2402-XXX	6	08-2406-XXX
3	08-2403-XXX	7	08-2407-XXX
4	08-2404-XXX	8	08-2408-XXX

08 - 2 4 01 - X X X

Base part number
Faceplate style indicator
Number of buttons
Faceplate finish
Bezel color (Framed Station only)
Button Color

Example: 08-2404-WX9 (4-button "E" Series Keypad with white faceplate and buttons.)

Note: E-Series Keypads do not have a bezel option therefore the second position must hold an X.

S-Series, H-Series and E-Series Keypad Dimensions

Front View   Side View   Back View

SatiLite Wall-Box Dimmer (1 & 2 Button)
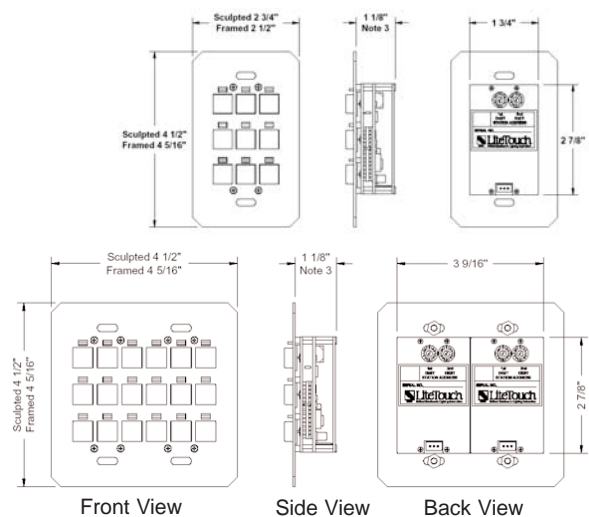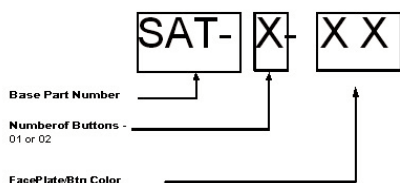
White Steel with two White Buttons

The SatiLite Wall-box Dimmer functions like a traditional wall-box dimmer but with added features. As the name indicates, it becomes an extension of the LiteTouch System and can be controlled by other button presses on keypads. For example, a "Master On/Off" or "Vacation" button could be programmed to control a load connected to a SatiLite. It can control inductive, neon, cold cathode, low-voltage magnetic transformer and incandescent loads. The SatiLite Wall-box Dimmer is not for use with electronic transformer low voltage incandescent lighting.

Dimensions
See image at the bottom of the page.

Catalog Numbers

# of Buttons	Standard
1	SAT-01-XX
2	SAT-02-XX

SAT- X- X X

Base Part Number

Number of Buttons - 01 or 02

FacePlate/Btn Color

Example: SAT-01-W9 (1-button SatiLite with white faceplate and buttons.)

Note: Available faceplate options are as follows, W - White, V - Almond (Previously Ivory) and C - Black.

SatiLite Keypad Dimensions

(2 7/8")
(3/16")
(1 7/16")
(1 3/4")
(4 5/8")
(2 11/16")

Front View   Side View   Top View

SatiLite 3-Way Keypad
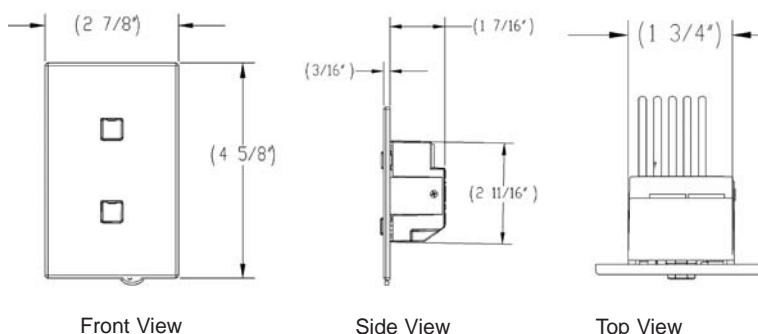
White Steel with one white Button

The SatiLite 3-way Keypad is for use with the SatiLite Wall-Box Dimmer when additional points of control are required. It is used to replace the toggle switch in a 3-way lighting installation and allow load control from a remote location.

Dimensions
See image at bottom left.

Catalog Number
S3W-X-XX
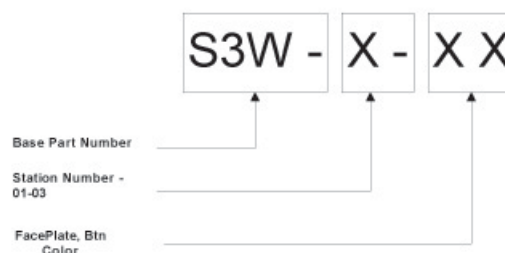
S3W - X - X X

Base Part Number

Station Number - 01-03

FacePlate, Btn Color

Note: Available faceplate options are as follows, W - White, V - Almond (Previously Ivory) and C - Black.

SatiLite to CCU Wiring Adapter

The SatiLite to CCU Wiring Adapter connects the SatiLite Wall-Box Dimmer to the CCU via a CAT 5 connection. This adapter can be mounted in Low Voltage side of LT Enclosure, in a one-gang wall box, directly to Wall next to enclosures, or in a junction box per needed location in home.
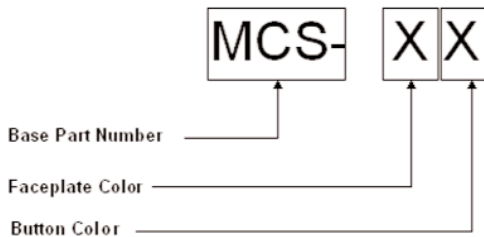
Catalog Number
08-2020-04

Master Control Keypad

The Master Control Keypad (MCS) allows the user to control a maximum of 32 S, H or E-series Control Keypads through a backlit LCD display. The keypads displayed on the MCScan be programmed, using the MCS Utility software and its RS-232 connection, to duplicate existing keypads throughout the home or can be unique to the MCS. The MCS is ideal for Master Bedrooms or where complete control of the entire home is desired. MCS is compatible with Standard, Compact and 5000LC CCUs. Because of its unique dimensions, the Master Control Keypads requires a specialty backbox (08- 8026-02).
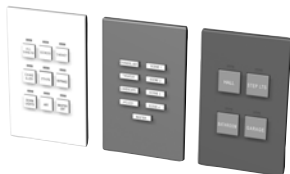
Catalog Number
MCS-XX

Strip Switch Keypad

The Strip Switch is a four button Keypad that can be recess mounted into a typical door jamb. It allows the station to be hidden. It has no LED and does not require a backbox

Catalog Number
08-7101-02 (Specify one to four buttons)

Slim-line Keypad

The Slim-line Keypad functions like a normal control Keypad with the advantage of a narrow footprint. It has a 1 1/2" wide faceplate, and can incorporate up to five horizontal buttons. It is available in all standard and custom finishes with H-Series buttons. Its narrow outline allows for placement near door jambs, next to trim or it can even be inset into fixed furniture. (See page 16 for faceplate finish and button color options.)

Because of its unique dimensions, the Slim-line Keypad requires a specialty backbox (08-8026-03).

Catalog Number
.
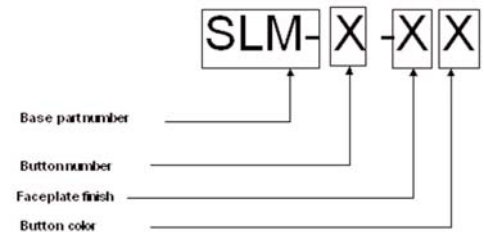
Manual Override Keypad

The Manual Override Keypad creates a direct connection to the manual override switches on the control modules. The Manual Override Keypad is visibly similar to a standard, S-Series, six button control Keypad. It can be used as a tool for controlling the lights during the construction process, when keypads would not typically be installed. It can also be used as a back-up for groups of lights should the homeowner want to bypass the CCU. (See page 16 for faceplate finish and button color options.)

Catalog Number
Available in six-buttons only. All colors.
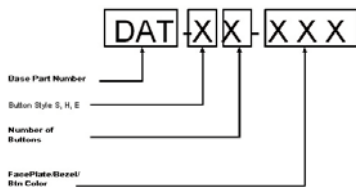
Data Input Keypad

Front View

Back View

The Data Input Keypad is a combination of a normal LiteTouch control Keypad and six data input terminals. It's perfect for connecting motion sensors, garage door openers, door jam sensors, security systems and other devices that require contact closure to send a message to the LiteTouch System. (See page 16 for faceplate finish and button color options.)

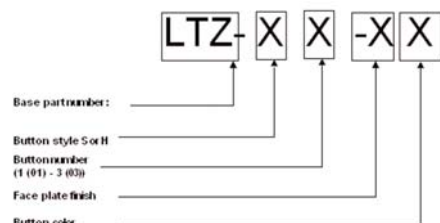Indicate your choice of station style (S,H or E-Series).

Catalog Number

DAT-XX-XXX

Base Part Number
Button Style S, H, E
Number of Buttons
FacePlate/Bezel/ Btn Color

Corded Remote

The Corded Remote Keypad is a portable keypad that comes in any style and configuration. It has a ten foot cord that is plugged into the wall and can enhance boardrooms, master bedrooms and media rooms. (See page 16 for faceplate finish and button color options.)

Catalog Numbers

Keypad Style	Steel Box*	Oak Box
Metropolitan	CRT-MXXX-XXXX	CRT-MXXO-XXXX
S - Series	CRT-SXXX-XXXX	CRT-SXXO-XXXX
H - Series	CRT-HXXX-XXXX	CRT-HXXO-XXXX
E - Series	CRT-EXXX-XXXX	CRT-EXXO-XXXX

* Indicate choice of Black, White or Almond (previously Ivory).

CRT-XXXX-XXXX

Base Part Number :
Button Style S, H, E, Metropolitan
Backlit, if no backlit place X
Number of Buttons 01-09,12,15,18
Box Color, W, I, P, B, or O
FacePlate/Bezel/ Btn Color/IR

LTZ Keypad

The LTZ Keypad is an extension of the Data Input Keypad or Module. It can be a cost savings solution for locations where a normal keypad may not be necessary. The LTZ Keypad is available in S or H Series Keypad configurations in White, Almond (previously Ivory) or Primecoat finishes. It comes in one to three button configurations and has no LED. (See page 16 for faceplate finish and button color options.)

Catalog Number
Available in S and H-Series - White, Almond (Previously Ivory) or Prime Coat only.

LTZ-XX-XX

Base part number :
Button style S or H
Button number (1 (01) - 3 (03))
Face plate finish
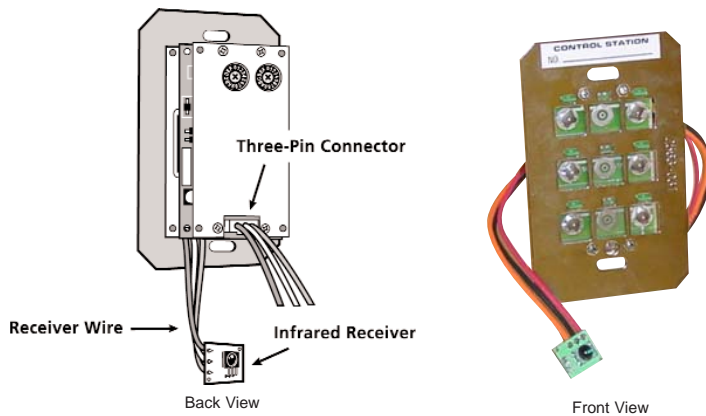Button color

Audioaccess MRX Keypad

LiteTouch and Audioaccess have teamed up to provide a LiteTouch keypad as an option to control the Audioaccess MRX multi-room receiver. This allows both systems to be controlled from the same style keypad. Available in S and H-Series styles. (See page 16 for faceplate finish and button color options.)

Catalog Number

MRX-X-XXX

Base Part Number
Station Style - S, or H
FacePlate/Bezel Btn Color
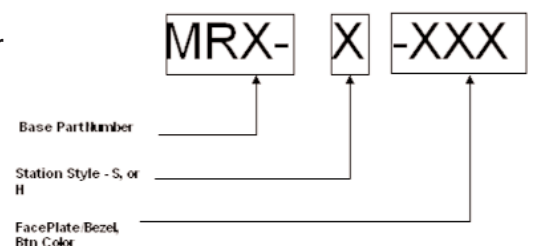
Remote Infrared(IR) Receiver Keypad

Three-Pin Connector

Receiver Wire → **Infrared Receiver**

Back View

Front View

This Keypad allows the user to control the LiteTouch system through a remotely placed IR sensor. The sensor is connected to a keypad by six inches of Receiver Wire. To place the sensor at a greater distance, Keypad Wire is provided to splice onto this wire. The Keypad can be mounted on the wall or in a concealed location.
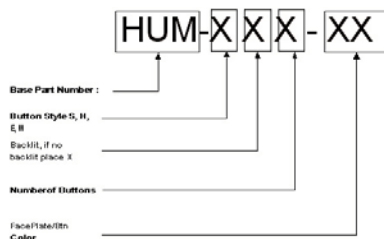
Catalog Numbers (Single Gang)
S - Series 08-2800-02
H - Series 08-2800-03

Humid (Damp) Location Keypad

The Humid Location Keypad helps prevent water damage resulting from mild moisture conditions such as partially protected outdoor locations near a jacuzzi or pool. It consists of a one-gang Keypad and a humidity cover. Refer to the S,H and E-Style Keypad information contained on page 16 in this catalog for Keypad ordering details. This information must be submitted at the time the order is placed.

Catalog Number

HUM-XX X - XX

Base Part Number :
Button Style S, H, E, M
Backlit, if no backlit place X
Number of Buttons
Face Plate/Btn Color

Waterproof (Wet) Keypad Backbox w/Keypad

The Waterproof Keypad Backbox is designed to protect the keypad from water damage (i.e. Keypads mounted in an outdoor environment in direct contact with the elements such as a boat dock or near beaches). The all-metal construction adds increased durability. The flange sinks flush with the wall leaving only a 4" door protruding from the wall. Available in white only.

This backbox must be installed before the drywall is hung.

Catalog Number
2580-010 (White backbox only.)

Infrared Remote Controls

The Universal Infrared Handheld Remote Infrared can control the LiteTouch System through multiple infrared-equipped H, S, E and one Metropolitan Series Keypads.

The backlit MX-700 remote can operate LiteTouch Metropolitan IR Series keypads and up to 20 other devices with customizable names that can be viewed on a large 2.3 inch LCD screen.

The MX-700 can store up to 74 commands for each of its 20 devices, plus a further 20 learned commands assigned to each device and 34 on the Main Menu--1534 learned functions.

Catalog Numbers
Universal Infrared Handheld Remote: 08-2300-01
    (Must be factory programmed, please indicate station address at time of order.
MX-700 Remote: 08-2300-70

Keypad Options Ordering Key

The numbers and letters below are to be inserted in the Keypad catalog numbers to specify colors finishes and function.

Refer to the Keypad Catalog Number and "Six Steps to Ordering a LiteTouch Keypad" to ensure your Keypad is ordered correctly.

Metropolitan Keypad Options Ordering Key

Standard Faceplate Finishes
MW - White
MV - Almond (Previously Ivory)
MC - Canvas
MB - Black
ME - Espresso
MF - Flax
ML - Melon
MS - Sky
MA - Prime Coat

Premium Faceplate Finishes
MN - Satin Nickel
MM - Satin Chrome
MP - Polished Chrome
MO - Dark Oil Rubbed Bronze
MH - Polished Gold

Button Colors
1 - Gray
2 - Black
4 - Brown
8 - Almond (Previously Ivory)
9 - White

Infrared
I - Infrared
X - No Infrared

Text Engraving Fill Color
Please specify fill color on the Control Keypad Design Guide.

Note: - Backlit selections are available with black buttons only.
  - Additional lead time is required on all Premium Faceplate Finishes.
  - Additional lead time and custom charges apply on custom keypads.
  - For custom LED options please contact your Inside Sales Associate, additional charges may apply

S-Series, H-Series and E-Series Keypad Options Ordering Key

Standard Faceplate Finishes
W - White
V - Almond (Previously Ivory)
C - Black
A - Prime Coat

Premium Faceplate Finishes
D - Polished Stainless Steel
E - Satin Stainless Steel
H - 24K Polished Gold
I - 24K Satin Gold
J - Oil Rubbed Bronze

Button Colors
1 - Gray
2 - Black
4 - Brown
8 - Almond (Previously Ivory)
9 - White

Infrared
I - Infrared
X - No Infrared

Note: Infrared option is not available in E-Series Control Keypads.

Text Engraving Fill Color
Please specify fill color on the Control Keypad Design Guide.

Note: - Additional lead time is required on all Premium Faceplate Finishes.
  - Additional lead time and custom charges apply on custom keypads.
  - For custom LED options please contact your Inside Sales Associate, additional charges may apply

Standard Single-Gang Keypad Configurations
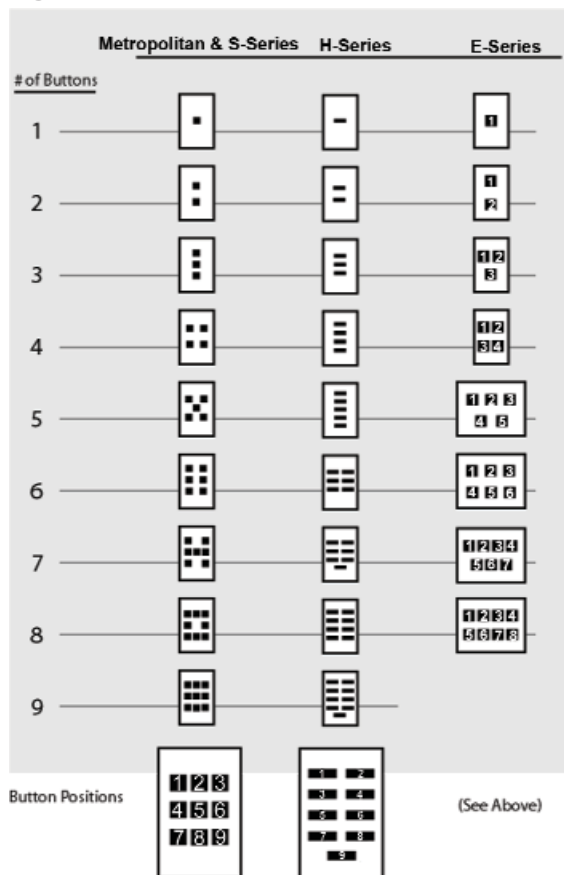
S and H-Series Double Gang Configurations

LiteTouch Standard double-gang stations are styled after the single-gang version but have more buttons for added load control. Choose from these popular configurations in both S and H-Series. Call for catalog numbers.

S and H-Series Button Positions
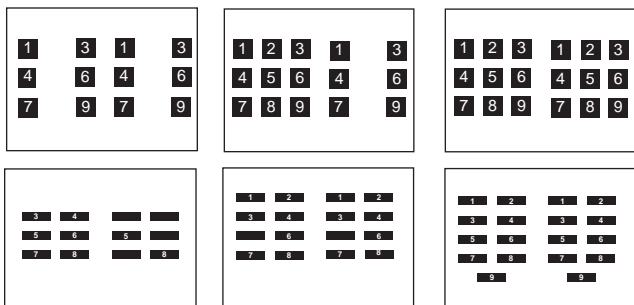
Popular Custom Keypad Configurations

The sky's the limit as to the number of custom keypad options available. Choose from one of our standard keypads, or create something totally unique to you! At LiteTouch, the possibilities are endless. Call for catalog numbers. **Custom keypads require a longer lead time and must be price quoted by the factory.**

Euro Series

The Euro keypad is available in one to six Generation2 style buttons, and has an LED inset into the top center of each button. The faceplate of the Euro Keypad is a modified square. Choose between the standard green LED or an optional red one. Infrared capabilities are also available on this keypad in the fifth button position. Call for part numbers.
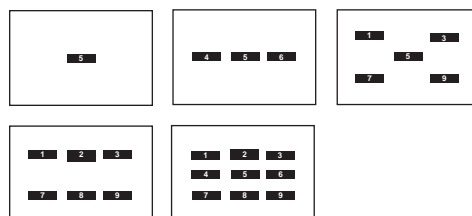
Euro Series Button Positions
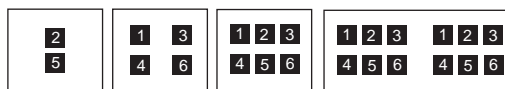
Dimensions: 3 1/8″ H x 3 1/8″ H X 1 4/8″ D

Horizontal H-Series

This series of Control Keypad is styled after the standard H-Series Keypad configuration. However, the buttons and the keypad have been rotated ninety degrees. Call for part numbers
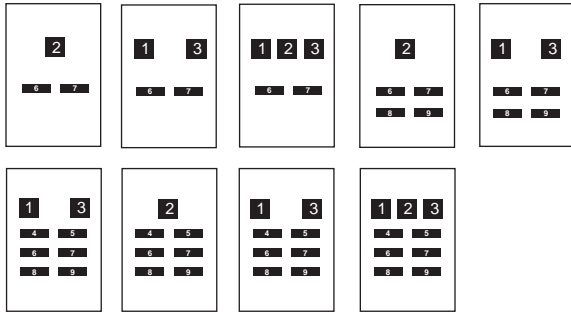
Horizontal H-Series Button Positions

Dimensions:
2 13/16″ H x 4 5/8″ W x 1 4/8″ D

S and H-Series Combination

These keypads combine up to three S-Series buttons on top of up to six H-Series buttons on a single-gang faceplate. Call for part numbers.

Dimensions: 4 5/8″ W x 2 13/16″ H x 1 4/8″ D
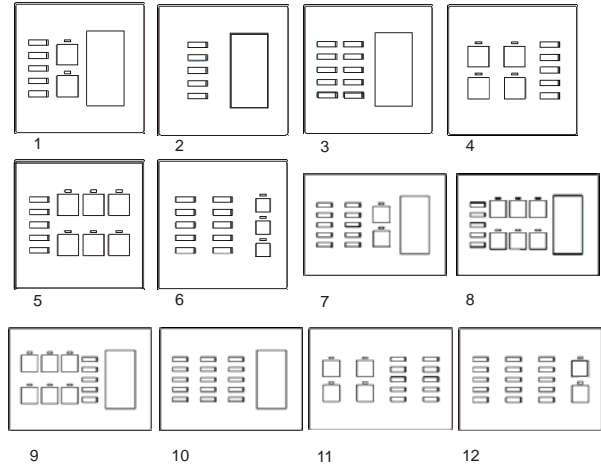
Specialty

These two and three-gang Keypads combine H, E and S-Series configurations and even a traditional rocker-switch cut-outs to perfectly fit your application. Call for part numbers.
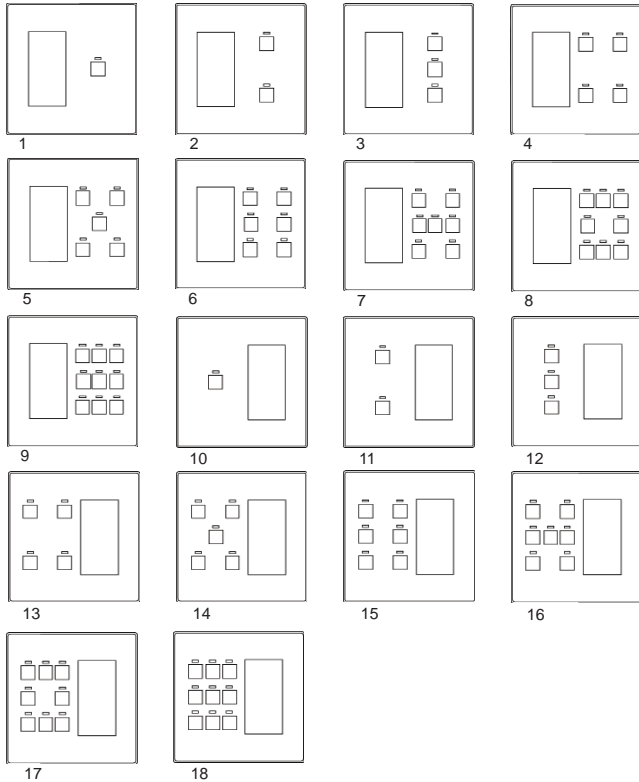
Dimensions:
4 5/8″ H x 4 5/8″ W x 1 4/8″ D

Two (1-6) and Three-Gang (7-12) Assorted Button Positions

Dimensions: Two-Gang: 4 5/8″ H x 4 5/8″ W x 1 4/8″ D
Three-Gang: 4 5/8″ H x 6 7/16″ W x 1 4/8″ D

Remember when placing orders for Custom Keypads please account for lead times and availability.
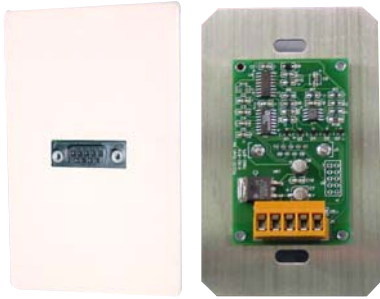
Scenario

The LiteTouch Scenario is a stand alone, wall-mounted, scene preset system capable of controlling up to four independent dimming or switching loads. Each load can be controlled in one of five ways. It can be turned on, turned off and dimmed with its own independent switch. It may be brought to a preset level (including off) by pressing a local scene switch. It may be brought to a preset level (including off) by pressing a scene switch on another Scenario. It may be turned off by using the local master. It may be turned off using the master off of another Scenario.

Each Scenario has four independent load control switches, four scene buttons, a master off button, and an IR receiver. Up to two Control keypads may be connected to each Scenario without the need for additional power supplies. These keypads can be configured with four, five or nine buttons (available in H-series only). The four button configuration offers control of the Scenario's four scenes. The fifth button acts as a switch between the four scenes and as a master off. The nine button station mirrors the Scenario.

Infrared remote capability is available on the five and nine-button remote keypads.

Note: The engraving schedule must be included with the order or the Scenario will be shipped with standard engraving (ex: Scene 1, Scene 2).

Dimensions
External to wall: 4 7/16″ H x 8″ W x 7/32″ D
Internal to wall: 2 3/4″ H x 7 1/4″ W x 3 1/4″ D
(Mounts in a standard four-gang backbox)

Catalog Numbers
Scenario: 120 V: 08-8300-XX* **
         240 V: 08-8302-XX* **

*The first x represents faceplate finish. The second x represents button color. (See the **Keypad Options Ordering Key on page 16 for details.**)
**Extended lead times and pricing applies for premium faceplate finishes.

Note: Available faceplate options are as follows, W - White, V - Almond (Previously Ivory), C- Black and A - Prime Coat.

LiteTouch Scenario Keypad Wire

LiteTouch Scenario Wire is 20-gauge, five-conductor, non-shielded wire that provides data communication between Scenarios only. **08-2107-01***

*Specify length of wire in feet. Also specify Module or Station wire. Available in spools of 100, 250, 500 or 1000-feet only.

RS232/Scenario Adapter

Allows communication to the Scenario via an RS-232 connection.

Catalog Numbers
Primecoat: 08-2250-01
White: 08-2250-02
Ivory: 08-2250-03

Power Conditioning

Omiphase Device

Suppression Device

Line Conditioning and Suppression equipment provide a clean power environment against the LiteTouch Lighting Control System and protection for transient surges that may be harmful to electronic components.

Dimensions:
Omiphase: 4.25" W X 6.75" H X 4.5" D
Suppression: 8" W X 11.5" H X 4.5" D

Catalog Numbers
Single Phase Omniphase: OSW120/240 EFI
Three Phase Omniphase: OSW120/208 EFI
Single Phase 3-Wire Suppression: MBP120EFI-Y2
Three Phase 4-Wire Suppression: MBP120EFI-Y3
Single Phase 3-Wire Suppression: MBP120EFI-Y2F
Three Phase 4-Wire Suppression: MBP120EFI-Y3F

RS-232/RS-422 Converter & Cable

This is used to increase the distance of serial communication to the CCU. It is available in 51 to 150-foot units.

Catalog Number
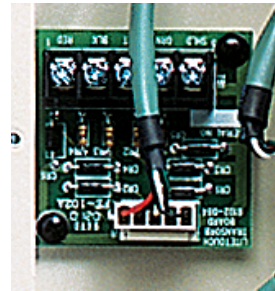08-2020-02

Line Filter Chokes

An Auxiliary Choke smoothest out the dimming cycle and quiets noisy lighting fixtures.

Catalog Numbers
10 Amp Auxiliary Choke: 08-3951-10
15 Amp Auxiliary Choke: 08-3951-15
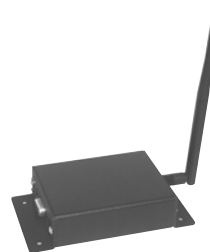20 Amp Auxiliary Choke: 08-3951-20

Transorb Board

LiteTouch Transorb Boards provide low voltage suppression ensuring protection from surges on the low voltage module communication line. One transorb board is found in each enclosure for module connection.

Catalog Number
7002-084

Wireless Modem

The Remote Modem was designed to provide end users with and easy communication link between the programmer's laptop and LiteTouch 5000LC CCU. This modem provides great functionality provided by the serial connection, switch, indicator lights, high quality antenna, mounting plate and optional power source inputs. Each Modem includes a straight-through cable and a null adapter.

This unit has the best sensitivity in the industry, making it one of the longest range radio modems available to date, transferring data at 19200 baud up to 1/4 mile in a city environment or greater than 10 miles line-of-sight with a directional antenna.

Two units are required for communication. One to send and one to receive.
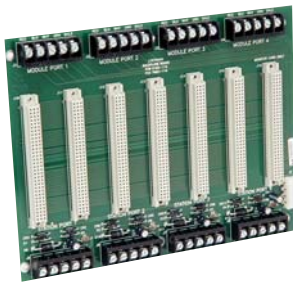
Catalog Number
Wireless Modem: 08-7004-01

System Event Recorder

The LiteTouch System Event Recorder tracks events of a LiteTouch system and records them into an ongoing date/time organized file.

The kit includes: 64 MB Flash Card, usb CF Card Reader, 120 VAC Power Supply, Power Cables and RS-232 Cable.
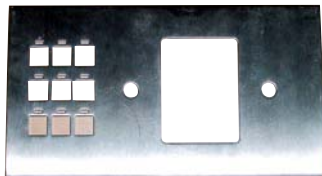
Catalog Number
08-2010-20

5000LC CCU Backplane Board

The 5000LC Backplane Board provides screw terminals for module and station wire runs to a 5000LC CCU. The backplane board has seven internal connectors to be used with the 5000LC card set.

Catalog Number
7002-116

Faceplate and Capture Plates

From time to time, customers may want to change the look of their stations. Order a different faceplate for a change of color or a different number of buttons.

Call factory for availability and catalog numbers.

Main Control Board

The Main Control Board is the brain behind each keypad. It is available for replacement in the field. Boards are only available for keypads with white pigtails in S, H and E styles only (please see the back of the main control board for pigtail color).

Catalog Number
7002-100

Surface Mount Switch Board

The Surface Mount Switch Board holds all of the functionality for the LiteTouch buttons. They are available for replacement in the field on S, H and E-Series keypads.

Catalog Numbers
S - Series: 7305-00X (specify button number)
H - Series: (1-5 buttons) 7305-025
            (6-9 buttons) 7305-029
E - Series: 7104-01X (specify button number)

Module to Module Jumper Cable

The Module to Module Jumper Cable provides communication from one module to the next within the same enclosure. Each module ships with one cable. Replacement cables are available in 18″ lengths.

Catalog Number
8000-003

Connector Cables

Connector Cables run from the CCU to a laptop during program uploading. Varying laptops require different cables - check your laptop for details.

Catalog Number
9 pin to 9 pin Connector Cable: 8002-909
9 pin to 25 pin Connector Cable: 8002-925

Control Module Wire

Control Module Wire connects LiteTouch Control Modules to the Central Control Unit.
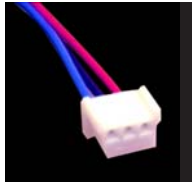
Catalog Number
08-2105-01 (Specify length in feet: 100, 250, 500 and 1000)

Keypad Wire

Keypad Wire connects the LiteTouch keypads to the Central Control Unit.

Catalog Numbers
08-2103-01 (Specify length in feet: 100, 250, 500 and 1000)

LiteTouch
Brilliant Solutions in Lighting Automation

Keypad 3-Pin Connector

White 3-pin connector

Keypad 3-pin Connector (pigtails) connect each LiteTouch keypad into to the main line of keypad Wire.

All new LiteTouch keypads are shipped with white 3-Pin Connectors. All keypads prior to October 1998 shipped with black 3-Pin connectors. (See the back of the main control board for 3-Pin Connector color.)

Black 3-pin connector

Catalog Number
White 3-Pin Connector: 8002-003
Black 3-Pin Connector: 8002-001

Interface Cable For Computer Supply Rack

Available in 50-foot units.

Catalog Number
08-2020-01

Enclosure Neutral Bar

Enclosure Neutral Bars are mounted inside each Enclosure. They are available for replacement in the field.

Catalog Number
8090-001

Enclosure Ground Bar

Enclosure Ground Bars are mounted inside each Enclosure. They are available for replacement in the field.

Catalog Number
3399-001

Power Resister (Load Resister)

Keeps the dimming of a low-wattage load stable.

Catalog Number
8060-010

Replacement Fuses

Replacement fuse for Quad and 8 Channel Dimmer Modules as well as discontinued 8 Channel Relay Modules.

Catalog Numbers
8 Channel Relay Fuse (12 Amp Fuse): 3613-012
8 Channel Dimmer and Quad Fuse (15 Amp Fuse): 3613-020

Power Bus Monitor

Indicates, through a series of four LEDs located on the Module, that proper Module communication and proper wiring connectivity has been established, or is broken.

Catalog Number
7002-150

1/4 Amp Power Supply Fuse

Catalog Number
3617-000

3400 South West Temple, Salt Lake City, UT 84115
PH: 801.486.8500   **FAX:** 801.486.8569
Technical Support Line: 1-800-527-5527

LiteTouch is a product of LiteTouch, Inc.