

LOCK CONTROL PANELS

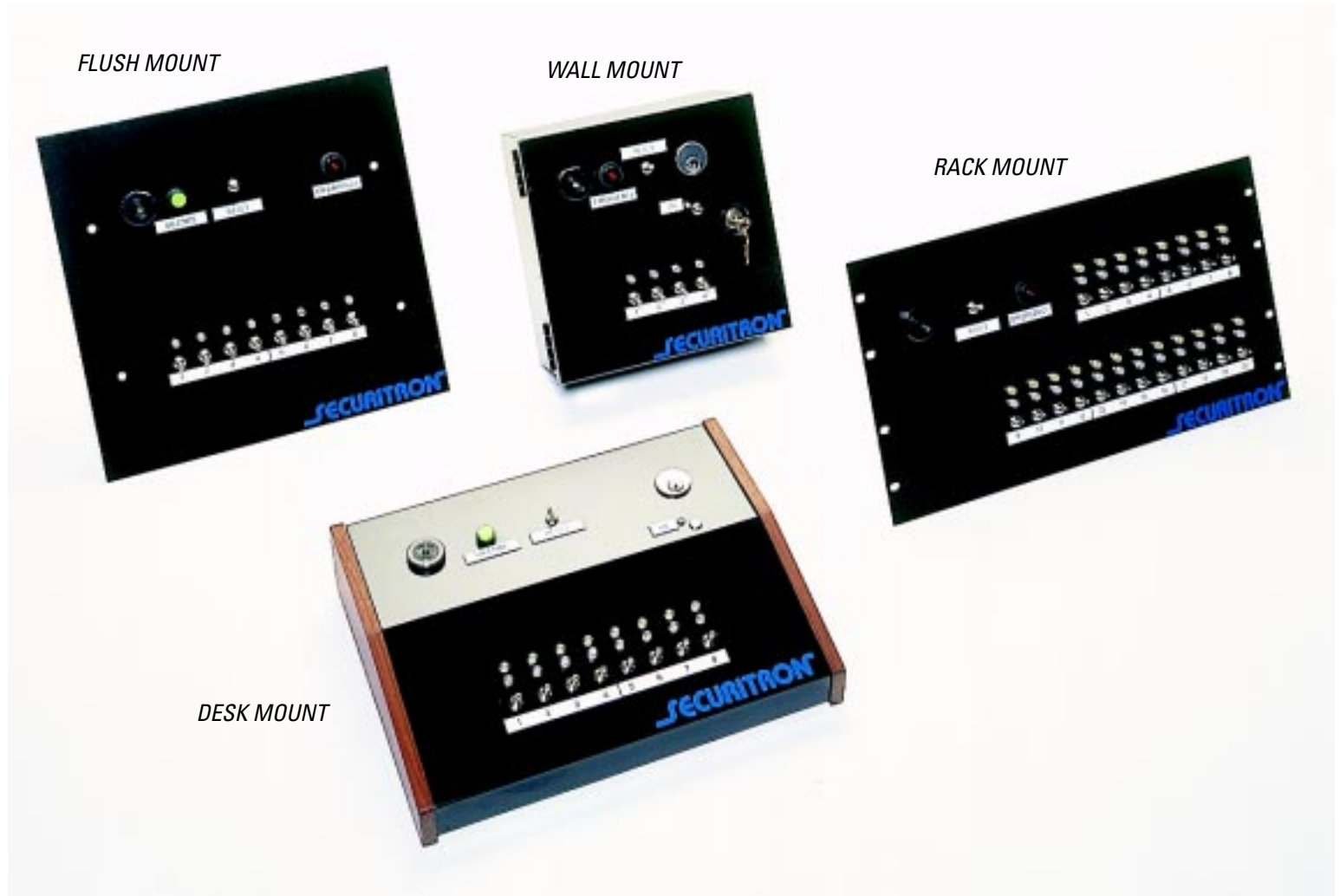
UL Listed Central Control and Monitoring for Any Electric Lock

FLUSH MOUNT

WALL MOUNT

RACK MOUNT

DESK MOUNT



OVERVIEW

The LCP Series panel is designed to operate **any DC electric lock or strike** that operates on 12 or 24 volts (**fail safe or fail secure**.) Other electric locks can be accommodated by adding relays. The panel is constructed of control zones supplied in multiples of four.

A single multi-color monitoring LED per zone displays four possible conditions of the lock: Green shows that the **zone is secure** and this condition may be driven from a door switch, lock status switch or the power status of the lock. "Off" shows that the lock has been "legally" **released** from either the panel control switch or from a remote switch at the door. In this condition, the toggle switch itself illuminates yellow. Red is the **alarm condition** showing that a lock which should be secure is not reporting secure. This condition is latching and is reset from a momentary switch once the zone has been resecured. A Sonalert accompanies the red "violation" condition. Orange shows that the zone has been resecured and is **ready for alarm reset**. After reset, the indicator turns green again.

PANEL CONFIGURATIONS

The LCP is delivered standard in a slope front **desk mount console**. A maximum of 24 zones can be installed on the largest console. If more zones are needed, multiple consoles are supplied. Optionally, the panel can be supplied in a NEMA 1 hinged **wall mount enclosure** with

key lock, in a **flush plate** with knockout equipped back box, or in a **19" rack mount** face plate. The size of the enclosure or plate depends on the number of zones ordered.

EASY INSTALLATION

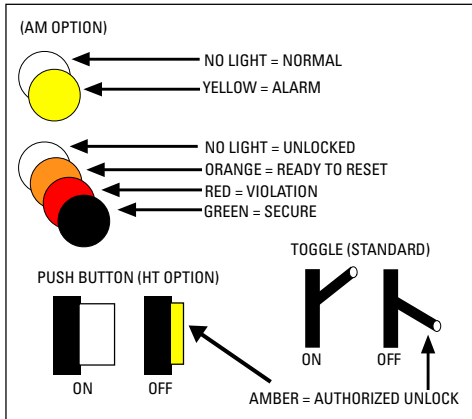
Three to six wires run from the panel to each door depending on the complexity of the equipment used at the door. All wires terminate to identified screw terminals in the panel. A comprehensive manual is supplied with the product which shows hookup drawings for the full range of possible door control functions. **No guesswork** or circuit design is required from the installer.

DOOR MONITORING

The LCP also finds use as a door monitoring panel when electric locks are not installed. The control switch in this use **arms or disarms** the monitored zone. With the switch on (armed), the indicator will show green when the door is closed and will show a latching red condition accompanied by the Sonalert when the door is opened. With the switch off (disarmed), the indicator will be off regardless of door position. On a custom basis, the LCP panel can be supplied with **indicator lights only** (no control switches.)

SYSTEM OPTIONS

A range of options expand the functions of the panel. Options with an asterisk (*) may be generally added in the field if they were not ordered with the panel.



SILENCE LATCH* (OPTION "SLR")

This option adds a momentary illuminated button which is used to silence the Sonalert only after it has sounded. When the Sonalert has been silenced the button illuminates and a built-in reminder tone is emitted. Once the alarm condition is cleared, the silence function automatically resets so that Sonalert will sound again for the next alarm event.

EMERGENCY RELEASE* (OPTION "ER")

This option adds an alternate action illuminated button which, when pressed, illuminates and immediately releases all locks. Pressing the button again restores power to the locks. This option is used only with fail safe locks.

ADDITIONAL MONITORING LIGHTS (OPTION "AM")

This option adds a second LED (yellow) to each control zone. The LED illuminates from an external closure or voltage input and at the same time, a pulsing Sonalert sounds. The most common use for this option is to **annunciate the start of exit delay** for a fail safe lock in the NFPA 101 delayed exit installation. Other conditions, depending on the specific job, can also use this capability.

SWITCH BYPASS KEYSWITCH* (OPTION "KB1" OR "KB2")

The bypass keyswitch, when turned off, secures all zones and shunts out the control switches and emergency release button (if one has been supplied) so that the **panel may be left unattended** for a time. This option yields a **Mortise cylinder type keyswitch** with cylinder supplied. The suffix "1" is wired for fail safe locks. The suffix "2" is wired for fail secure locks.

MOMENTARY CONTROL SWITCHES (OPTION "MOM")

This option changes the lock control toggle switches from alternate (standard) to spring loaded momentary. It is used if the installation permits only momentary release of a lock from the panel. (Momentary switches are not illuminated.)

HIGH VOLUME USE (OPTION "HT")

The standard toggle switches are limited in life to about 30,000 operations. This is more than adequate for most installations where the panel switches are used sporadically but for high volume use, we suggest push button switches, with a life of about 200,000 operations.

MULTIPLE PANELS

While this is not a specific option, multiple panels may be combined in different ways for control of the same group of doors. Contact the factory for the details.

SPECIFICATIONS

POWER: Panel available for 12 or 24 VDC operation. Unregulated voltage acceptable.

CURRENT: Current drawn depends on version: 60 mA maximum per zone.

SWITCHING CAPABILITY: Lock current is maximum 1.5 Amps with 3 Amp in rush acceptable.

DESK MOUNT

4-8 ZONES: 4-1/2" H X 11" W X 10-1/4" D

12-24 ZONES: 3-1/2" H x 15" W x 11-1/2" D

WALL MOUNT

4 ZONES: 10" H X 10" W X 4" D

8-16 ZONES: 12" H x 12" W X 4" D

20-24 ZONES: 16" H x 12" W x 6" D

FLUSH MOUNT (Cutout)

4 ZONES: 10" H x 8" W x 4" D

8-16 ZONES: 12" H x 12" W x 4" D

20-24 ZONES: 16" H x 12" W x 6" D

RACK MOUNT

4-12 ZONES: 5-1/4" H X 19" W

16-24 ZONES: 10-1/2" H X 19" W

UL LISTED

SA6635 AND BP7041 USA & Canada

ORDERING INFORMATION

The LCP Series part number calls out the description as follows:

LCP-XX-YY-Mounting Options-System Options

-XX Number of control zones

-YY Panel voltage (12 or 24 VDC)

MOUNTING OPTIONS

(Consult factory for more than 24 zones)

D - Desk top cabinet

F - Flush mount plate with back box

R - 19" Rack panel face mounting

W- NEMA-1 locked wall mount

SYSTEM OPTIONS

AM - Additional set of indicators

ER - Emergency all release

HT - High volume push button switches

KB1- Keyswitch control bypass with cylinder (fail safe locks)

KB2- Keyswitch control bypass with cylinder (fail secure locks)

MOM - Momentary control switches

SLR - Silence latch with recurrent reminder signal

EXAMPLE: Part # LCP-16-12-W-SLR would be a 16 zone, 12 VDC Wall mount panel with Silence Latch.

LCP	Minimum 4 zones (maximum 24 zones)	per four (4) zones: \$700.00
Mounting Option Charges		
D	Desk top desk cabinet	NO CHARGE
F	Flush mount plate with back box mounting	\$100.00
R	19" Rack panel face mounting	\$100.00
W	NEMA-1 locked wall mount cabinet	\$250.00
System Option Charges		
AM	Additional set of monitoring lights (per four zones)	\$100.00
ER	Emergency all release (fail safe locks only)	\$100.00
HT	Heavy duty push button switches (per four zones)	\$400.00
KB1	Key switch control bypass (fail safe locks) w/cylinder	\$200.00
KB2	Key switch control bypass (fail secure locks) w/cylinder	\$200.00
MOM	Momentary control switches (alternate is standard)	NONE
SLR	Silence latch with recurrent reminder signal	\$200.00

