

LAZERPOINT RF™
BY CAMDEN



LAZERPOINT RF™ WIRELESS DOOR ACTIVATION SYSTEM

DESCRIPTION

Lazerpoint RF™ by Camden Door Controls is the industry's most advanced wireless activation system for automatic doors. This remarkable 915MHz. spread spectrum (broadband) wireless system provides reliable performance in many applications where wireless could not be used before. In addition to the best wireless technology, Lazerpoint RF™ also offers a range of exclusive features designed to make installation and service easier, including a battery test gauge, built-in signal strength indicator and stuck switch alarm. Lazerpoint RF™ is supported with the widest range of wireless transmitters, receivers, accessories and compatible activation devices in the market. Lazerpoint RF™ is also ideal for retrofit applications with compatibility with most 300MHz., 318MHz., 390MHz. and 433MHz. fixed frequency wireless systems.



LAZERPOINT RF™ WIRELESS DOOR
ACTIVATION SYSTEM

APPLICATION

Lazerpoint RF™ 915 Mhz. spread spectrum wireless systems are designed for use with any automatic door operator. The system offers exceptional reliability and a complete wireless activation solution, whether in new construction or retrofit. With the option to utilize existing fixed frequency transmitters, Lazerpoint RF™ technology is also utilized with other wireless activation devices, including CM-120 Series keypads and CM-330 Series Hands Free switches. Lazerpoint RF™ is designed to reduce the cost of installation with a range of exclusive features, including door sequencing, which eliminates the need to purchase a separate door control relay.

SYSTEM FEATURES

- 12 OR 24 VOLT, AC OR DC OPERATION. LAZERPOINT RF™ IS COMPATIBLE WITH ALL AUTOMATIC DOOR OPERATORS.
- ADVANCED 915MHZ SPREAD SPECTRUM (BROADBAND) WIRELESS COMMUNICATIONS FOR OUTSTANDING RANGE AND PERFORMANCE IN THE MOST DEMANDING APPLICATIONS.
- ULTRA COMPACT DESIGNS FIT WHERE OTHER PRODUCTS CAN'T, INCLUDING JAMB SWITCH BOXES AND LOW PROFILE DOOR OPERATORS.
- MULTI-YEAR BATTERY LIFE (USING INEXPENSIVE 'AAA' ALKALINE BATTERIES) WITH EXCLUSIVE 'LOW BATTERY', 'GAS GAUGE' AND 'STUCK SWITCH' AUDIBLE ALERTS.
- EASY TO ACTIVATE HANDHELD TRANSMITTERS (FOBS) DESIGNED SPECIFICALLY FOR ADA APPLICATIONS.
- RX-92 RECEIVER MODEL, WITH TWO CHANNELS PLUS 6 OPERATING MODES, SAVES TIME AND MONEY BY AVOIDING THE COST OF BUYING AND INSTALLING ADDITIONAL COMPONENTS.
- OPTIONAL PLUG-IN RECEIVER MODULES PROVIDE COMPATIBILITY WITH OTHER RF FREQUENCIES.
- 'PUSH AND LEARN' TRANSMITTER ENROLLMENT AND SIGNAL STRENGTH INDICATORS, MAKES LAZERPOINT RF™ THE EASIEST SYSTEM TO INSTALL.
- THE OPTION FOR LAZERPOINT RF™ WIRELESS COMPATIBLE KEYPADS AND HANDS-FREE SWITCHES.
- 'CAMDEN TOUGH' PRODUCT QUALITY BACKED BY A FULL 3 YEAR REPLACEMENT WARRANTY.



CM-TXLF
SERIES

LAZERPOINT RF™ RECEIVER FEATURES

CM-RX-91 SINGLE RELAY RECEIVER

- (1) FORM C RELAY, 3 AMPS @ 30V DC
- SLOT FOR (1) OPTIONAL PLUG-IN RECEIVER BOARD
- ADJUSTABLE DOOR HOLD OPEN TIMER
- CONNECTION FOR CM-RFCT LED CABLE TOOL

CM-RX-92 DUAL RELAY RECEIVER

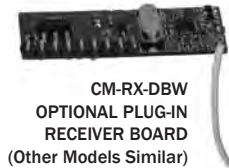
- (2) FORM C RELAYS, 3 AMPS @ 30V DC
- SLOTS FOR (2) OPTIONAL PLUG-IN RECEIVER BOARDS
- (3) 1-30 SECOND ADJUSTABLE TIMERS
- 4 POSITION DIP SWITCH SELECTS 6 UNIQUE OPERATING MODES (SEE NEXT PAGE)
- CONNECTION FOR CM-RFCT LED CABLE TOOL

FIXED FREQUENCY RECEIVER DAUGHTERBOARDS

- 300MHZ, 318MHZ, 390MHZ AND 433MHZ RECEIVERS ARE COMPATIBLE WITH MOST BRANDS OF FIXED FREQUENCY WIRELESS SYSTEMS. CONTACT CAMDEN FOR CONFIRMATION OF COMPATIBILITY WITH YOUR SYSTEM.
- PLUG-IN DESIGN. UP TO 2 FIXED FREQUENCY DAUGHTERBOARDS CAN BE INSERTED INTO A RECEIVER, FOR A MAXIMUM OF 3 WIRELESS FREQUENCIES ON ONE RECEIVER (CM-RX92)



CM-RX-92
RECEIVER



CM-RX-DBW
OPTIONAL PLUG-IN
RECEIVER BOARD
(Other Models Similar)

LAZERPOINT RF™ TRANSMITTER FEATURES

CM-TX9 SINGLE CHANNEL TRANSMITTER

- AUDIBLE BATTERY TEST, LOW BATTERY AND STUCK SWITCH INDICATION
- 'INSTANT RESPONSE' CAPTURES BRIEF SWITCH ACTIVATIONS
- COMPATIBLE WITH ALL PUSH BUTTONS AND PUSH PLATES
- READILY AVAILABLE "AAA" BATTERY OPERATION
- OPTIONAL LITHIUM BATTERIES ARE RECOMMENDED WHERE OPERATING TEMPERATURES ARE BELOW 32°F (0°C)



CM-TX9 TRANSMITTER

CM-TXLF FOB TRANSMITTER FEATURES

- COMPACT AND DURABLE WITH SELECTION OF ONE, TWO AND FOUR BUTTON KEY FOB TRANSMITTERS.
- LARGE, EASY TO ACTIVATE RAISED BUTTONS
- EXCLUSIVE BATTERY TEST GAUGE FEATURE
- EXCLUSIVE VISOR/WHEELCHAIR STRAP FOB BASE, ACCEPTS ANY CM-TXLF SERIES FOB
- LED VISUAL CONFIRMATION OF WIRELESS ACTIVATION



FOB TRANSMITTERS

MOUNTING
BASE

CM-TXLF SERIES

LAZERPOINT RF™ CABLE TOOL FEATURES

- INDICATES RELAY STATUS AND TRANSMITTER SIGNAL STRENGTH
- IDEAL FOR USE WHEN RECEIVER IS HIDDEN FROM VIEW DURING INSTALLATION



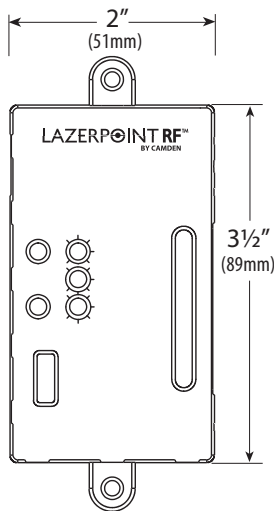
CM-RFCT
CABLE TOOL

CM-RX-92 RELAY OPERATING MODES

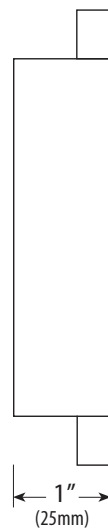
MODE	DESCRIPTION
MODE 1	DUAL INDEPENDENT: TWO SEPARATE CHANNELS, EACH WITH A FORM 'C' OUTPUT, AND 1-30 SECOND TIMER.
MODE 2	SWITCHING: (MAKE/BREAK RELAY) PERFORMS A SIMILAR FUNCTION AS CAMDEN CX-12 OR SA -1. SUITABLE FOR AN INSTALLATION WITH ELECTRIC LOCK AND AUTOMATIC OPERATOR.
MODE 3	VESTIBULE: THIS MODE SEQUENCES TWO DOORS IN BOTH DIRECTIONS, SEQUENCING 'A' WITH JUST ONE PAIR OF WIRES BETWEEN THE TWO DOORS. ONLY 1 RX-92 REQUIRED.
MODE 4	VESTIBULE: THIS MODE SEQUENCES TWO DOORS IN BOTH DIRECTIONS, SEQUENCING 'B' WITH NO WIRING! REQUIRES 2 RX-92'S.
MODE 5	ACCESS CONTROL: UPON RECEIPT OF A SIGNAL, THIS MODE LATCHES RELAY 1, THE LOCK RELAY. WHILE LOCKED, IT ALLOWS TRANSMITTERS, LEARNED INTO CHANNEL 2, TO FIRE (ACTIVATE) THE OPERATOR RELAY.
MODE 6	FREIGHT DOOR: A TRANSMITTER INPUT WILL ACTIVATE THE LOCK OUTPUT MODE FOR AN ADJUSTABLE TIME, AND LATCH THE OPERATOR OUTPUT INDEFINITELY. A SECOND ACTIVATION ALLOWS THE DOOR TO CLOSE.

SPECIFICATIONS

CM-RX91 & CM-RX92 RECEIVERS	
DIMENSION:	3 1/2" H x 2" W x 1" D (89mm x 51mm x 25mm)
MOUNTING:	2 # 6 SCREWS AT 4" CENTERS, OR VELCRO
ENCLOSURE:	CLEAR PLASTIC CASE
OPERATING VOLTAGE:	12/24 VOLTS, AC/DC
CURRENT DRAW:	150 MA NOMINAL 500 MA MAXIMUM
RESPONSE TIME:	0.3 SECONDS
OPERATING MODES:	VIA 4 DIP-SWITCHES (RX-92)
LED'S:	INDICATE: RELAY STATUS, SIGNAL STRENGTH, LEARN MODE; ERASE MODE, AND POTENTIOMETER POSITION
OUTPUTS:	RX-91-1 X SPDT RELAY, CM-RX92-2 X SPDT RELAYS
RELAY CONTACT RATING:	3 AMPS @ 30 VDC
TIME DELAYS:	RX-91-1 POT, ADJUSTABLE FROM 1 TO 30 SECONDS RX-92-3 POTENTIOMETERS: RELAY 1 D.O.R. = 1 - 30 SECONDS RELAY 2 D.O.O = 1 - 15 SECONDS RELAY 2 D.O.R. = 1 - 30 SECONDS
ELECTRICAL LIFE:	100,000 OPERATIONS @ RATED, OR 500,000 OPERATIONS @ 1/2 RATED CAPACITY
TEMPERATURE RATING:	-40°F TO 185°F (-40°C TO +85°C)
CERTIFICATIONS:	FCC, IC
MEMORY CAPACITY:	40 CM-TX SERIES TRANSMITTERS



CM-RX-91/CM-RX-92 RECEIVERS - FRONT VIEW



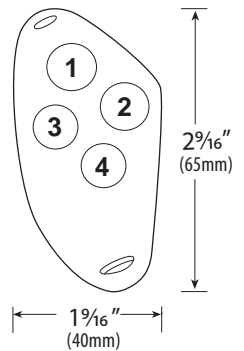
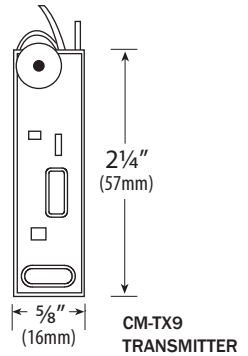
CM-RX-91/CM-RX-92 RECEIVERS - SIDE VIEW

CAMDEN LAZERPOINT™ WIRELESS SYSTEM

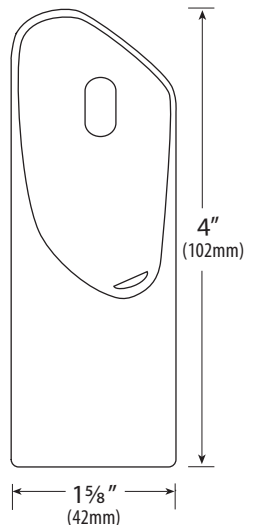
SPECIFICATIONS

CM-TX9 TRANSMITTER

TRANSMIT FREQUENCY:	905.25 / 915.25 / 925.25 MHZ. (SPREAD SPECTRUM TECHNOLOGY)
CODES:	1 MILLION UNIQUE (20 BIT) CODES
DIMENSION:	2 1/4" H x 5/8" W x 3/8" D (57mm x 16mm x 10mm)
MOUNTING:	DOUBLE SIDED FOAM TAPE
SWITCH CONNECTION:	2" x 10" LEADS WITH 1/4" QUICK DISCONNECT TERMINATIONS
BUILT-IN PIEZO SOUNDER:	USED FOR LOW BATTERY STATUS, BATTERY GAUGE, AND STUCK SWITCH INDICATOR
POWER:	(2) 'AAA' ALKALINE BATTERIES (SUPPLIED) (2) 'AAA' LITHIUM BATTERIES (OPTION)
BATTERY LIFE:	MINIMUM 500,000 OPERATIONS
RANGE:	OVER 500 FT (152M), OPEN AREA
TEMPERATURE RATING:	-40°F TO 185°F (-40°C TO +85°C)



FOB TRANSMITTER



FOB BASE

CM-TXLF SERIES FOB TRANSMITTERS

TRANSMIT FREQUENCY:	905.25 / 915.25 / 925.25 MHZ. (SPREAD SPECTRUM TECHNOLOGY)
CODES:	1 MILLION UNIQUE (20 BIT) CODES
DIMENSIONS:	FOB: CM-TXLF: 2 9/16" H X 1 9/16" W X 5/8" D (65mm x 40mm x 16mm) BASE: CM-TXLFB: 4" H x 1 5/8" W x 3/4" D (102mm x 42mm x 19mm)
INDICATORS:	TACTILE AND VISUAL (LED) INDICATION OF WIRELESS ACTIVATION WITH BATTERY TEST
POWER:	CR-2032 LITHIUM BATTERY (SUPPLIED)
BATTERY LIFE:	115,000 OPERATIONS
RANGE:	OVER 250 FT (76M), OPEN AREA
TEMPERATURE RATING:	-40°F TO 185°F (-40°C TO +85°C)

CAMDEN LAZERPOINT™ WIRELESS SYSTEM

ORDERING INFORMATION

MODEL	DESCRIPTION
TRANSMITTER	
CM-TX9	WALL SWITCH TRANSMITTER
CM-TX99	PLUG-IN TWO CHANNEL TRANSMITTER (FOR CM-330 & CM-120 SERIES DEVICES)
CM-TXLF-1	ONE BUTTON KEY FOB
CM-TXLF-2	TWO BUTTON KEY FOB
CM-TXLF-4	FOUR BUTTON KEY FOB
CM-TXLFB	CLIP-ON VISOR/ WHEELCHAIR STRAP BASE
OPTION: LITHIUM BATTERIES FOR CM-TX9	
CM-XXX-L2	ADD 'L1' TO CM-TX9 MODEL # FOR 'AAA' LITHIUM BATTERIES IN PLACE OF ALKALINE
CM-LP2	(2) 'AAA' LITHIUM BATTERY PACKS
RECEIVERS	
CM-RX91	BASIC SINGLE RELAY RECEIVER
CM-RX92	FULL FUNCTION DUAL RELAY RECEIVER
OPTIONAL PLUG-IN RECEIVER BOARDS	
CM-RX-DBB	300MHZ. DAUGHTERBOARD (BLUE ANTENNA)
CM-RX-DBO	318MHZ. DAUGHTERBOARD (ORANGE ANTENNA)
CM-RX-DBR	390MHZ. DAUGHTERBOARD (RED ANTENNA)
CM-RX-DBW	433MHZ. DAUGHTERBOARD (WHITE ANTENNA)
SERVICE TOOL	
CM-RFCT	PLUG-IN CABLE TOOL, 33"



CM-331



CM-120i



CM-120wV2

COMPATIBLE LAZERPOINT RF™ WIRELESS PRODUCTS

MODEL	DESCRIPTION
SUREWAVE™ HANDS-FREE SWITCHES	
CM-330	HANDS-FREE SWITCH, BATTERY POWERED, WIRELESS, 0 RELAYS
CM-331	HANDS-FREE SWITCH, 1 RELAY, WITH OPTION FOR CM-TX99 WIRELESS TRANSMITTER
CM-332	HANDS-FREE SWITCH, 2 RELAY, WITH OPTION FOR CM-TX99 WIRELESS TRANSMITTER. SUREWAVE™ SWITCHES HAVE THE OPTION FOR POLYCARBONATE OR STAINLESS STEEL FACEPLATE, GRAPHIC OPTIONS AND PLUG-IN LIGHT RING
CM-333	HANDS-FREE SWITCH, BATTERY POWERED, 1 RELAY, OPTION FOR CM-TX99 WIRELESS TRANSMITTER
120 SERIES DIGITAL KEYPADS	
CM-120i	INDOOR, STAND-ALONE OR WEIGAND OPERATION WITH OPTION FOR CM-TX99 WIRELESS TRANSMITTER.
CM-120wV2	OUTDOOR, BACK-LIT, VANDAL RESISTANT, STAND-ALONE OR WEIGAND OPERATION WITH OPTION FOR CM-TX99 WIRELESS TRANSMITTER.
CM-120TX	OUTDOOR, BACK-LIT, VANDAL RESISTANT, WIRELESS KEYPAD

OPTIONS

LITHIUM BATTERIES

(FOR CM-330 AND CM-333 SWITCHES, AND CM-120TX KEYPAD)

CM-XXXL1

ADD SUFFIX 'L1' FOR (2) 'AA' LITHIUM BATTERIES IN PLACE OF (2) ALKALINE.

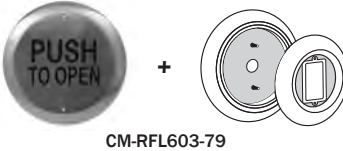
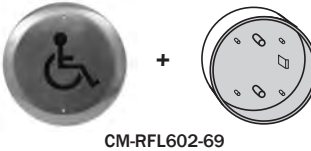
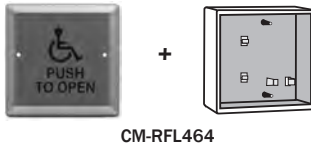
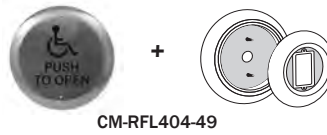
CM-LP1

(2) 'AA' LITHIUM BATTERY PACK

WIRELESS SWITCH PACKAGES

Switch packages include everything you need for your installation; (2) CM-TX9 wireless transmitters, (1) CM-RX91 receiver, (2) stainless steel all-active switches, and (2) ABS mounting boxes/enclosures.

MODEL	DESCRIPTION
JAMB WIDTH SWITCH PACKAGES (CM-25 SERIES)	
CM-RFL252	WHEELCHAIR SYMBOL + SURFACE BOX
CM-RFL253	'PUSH TO OPEN' + SURFACE BOX
CM-RFL254	TEXT AND SYMBOL + SURFACE BOX
4 1/2" ROUND SWITCH PACKAGES (CM-40 SERIES)	
CM-RFL402-47	WHEELCHAIR SYMBOL + SURFACE BOX
CM-RFL403-47	'PUSH TO OPEN' + SURFACE BOX
CM-RFL404-47	TEXT AND SYMBOL + SURFACE BOX
CM-RFL402-49	WHEELCHAIR SYMBOL + FLUSH/SURFACE KIT
CM-RFL403-49	'PUSH TO OPEN' + FLUSH/SURFACE KIT
CM-RFL404-49	TEXT AND SYMBOL + FLUSH/SURFACE KIT
4 1/2" SQUARE SWITCH PACKAGES (CM-45/46 SERIES)	
CM-RFL45	CONCEALED SCREWS, S/S FACEPLATE
CM-RFL46	EXPOSED SCREWS, S/S FACEPLATE
CM-RFL46CB	EXPOSED SCREWS, BLUE ALUMINUM FACEPLATE
CM-RFLXX2	WHEELCHAIR SYMBOL + SURFACE BOX
CM-RFLXX3	'PUSH TO OPEN' + SURFACE BOX
CM-RFLXX4	TEXT AND SYMBOL + SURFACE BOX
6" ROUND SWITCH PACKAGES (CM-60 SERIES)	
CM-RFL602-69	WHEELCHAIR SYMBOL + SURFACE BOX
CM-RFL603-69	'PUSH TO OPEN' + SURFACE BOX
CM-RFL604-69	TEXT AND SYMBOL + SURFACE BOX
CM-RFL602-79	WHEELCHAIR SYMBOL + FLUSH/SURFACE KIT
CM-RFL603-79	'PUSH TO OPEN' + FLUSH/SURFACE KIT
CM-RFL604-79	TEXT AND SYMBOL + FLUSH/SURFACE KIT



OPTIONS

CM-RFLXXX/D
ADD 'D' TO SWITCH PACKAGE MODEL # FOR CM-RX92 DUAL RELAY RECEIVER, IN PLACE OF CM-RX-91

CM-RFLXXX/V
ADD 'V' TO SWITCH PACKAGE MODEL # TO ADD CM-2520 VESTIBULE SWITCH, CM-53 SURFACE BOX, (2) CM-TX9 WIRELESS TRANSMITTERS AND (2) CM-RX92 DUAL RELAY RECEIVERS
The graphic option will match push plate switches. Not to be ordered with 'D' suffix switch packages.

OPTIONS

LITHIUM BATTERIES
(FOR WIRELESS SWITCH KITS)
CM-XXXL3
ADD SUFFIX 'L3' FOR (4) 'AAA' LITHIUM BATTERIES
CM-LP2
(2) 'AAA' LITHIUM BATTERY PACKS

CM-2520 Vestibule Switch Packages include CM-2520, CM-53 surface box, (2) CM-TX9 and (1) CM-RX92.

VESTIBULE SWITCH PACKAGES (CM- 2520)	
CM-RFL25202	WHEELCHAIR SYMBOL
CM-RFL25203	'PUSH TO OPEN'
CM-RFL25204	'PUSH TO OPEN' AND WHEELCHAIR SYMBOL

