

**LAZERPOINT RF™**  
BY CAMDEN

## LAZERPOINT RF™ WIRELESS DOOR ACTIVATION SYSTEM

### DESCRIPTION

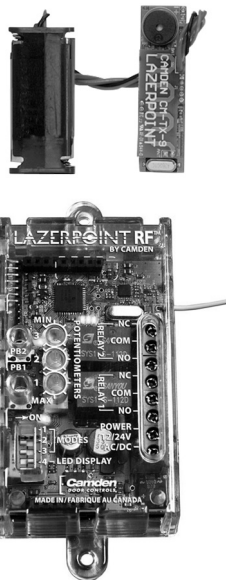
**Lazerpoint RF™** by Camden Door Controls is the industry's most advanced wireless activation system for automatic doors. This remarkable 915MHz. spread spectrum (broadband) wireless system provides reliable performance in many applications where wireless could not be used before. In addition to the 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.

### 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.



LAZERPOINT RF™ WIRELESS DOOR  
ACTIVATION SYSTEM



CM-TXLF  
SERIES

## LAZERPOINT RF™ RECEIVER FEATURES

### CM-RX-91 SINGLE RELAY RECEIVER

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

### CM-RX-92 DUAL RELAY RECEIVER

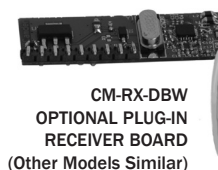
- (2) FORM C RELAYS, 3 AMPS @ 30V DC
- 4 POSITION DIP SWITCH SELECTS 6 UNIQUE OPERATING MODES (SEE NEXT PAGE)
- SLOTS FOR (2) OPTIONAL PLUG-IN RECEIVER BOARDS
- CONNECTION FOR CM-RFCT LED CABLE TOOL
- (3) 1-30 SECOND ADJUSTABLE TIMERS

### 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-RX92  
RECEIVER

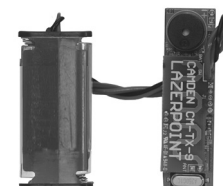


CM-RX-DBW  
OPTIONAL PLUG-IN  
RECEIVER BOARD  
(Other Models Similar)

## LAZERPOINT RF™ TRANSMITTER FEATURES

### CM-TX9 SINGLE CHANNEL TRANSMITTER

- AUDIBLE BATTERY TEST, LOW BATTERY AND STUCK SWITCH INDICATION
- COMPATIBLE WITH ALL PUSH BUTTONS AND PUSH PLATES
- 'INSTANT RESPONSE' CAPTURES BRIEF SWITCH ACTIVATIONS
- READILY AVAILABLE "AAA" BATTERY OPERATION



CM-TX9 TRANSMITTER

### CM-TX99 TWO CHANNEL TRANSMITTER

- SIMPLE PLUG-IN 915MHZ. SPREAD SPECTRUM TRANSMITTER FOR USE WITH CM-120 SERIES KEYPADS AND CM-330 SERIES HANDS-FREE SWITCHES
- IDEAL FOR RETROFIT AND DIFFICULT TO WIRE APPLICATIONS



CM-TX99 TRANSMITTER

### CM-TXLF FOB TRANSMITTER FEATURES

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



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, OUTPUTS AND 1-30 SECOND TIMER.
MODE 2	SWITCHING (MAKE/BREAK RELAY) PERFORMS A SIMILAR FUNCTION AS NETWORK 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, MODE 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.

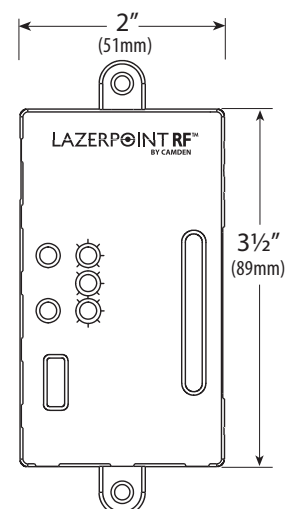
## SPECIFICATIONS

### CM-RX-91 & CM-RX-92 RECEIVERS

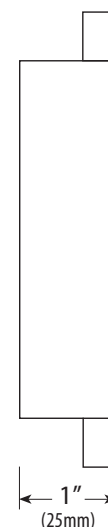
DIMENSION:	3 1/2" H x 2" W x 1" D (89mm x 51mm x 25mm)
MOUNTING:	2 # 6 SCREWS AT 4" CENTERS, OR VELCRO
ENCLOSURE:	CLEAR PLASTIC CASE
OPERATING VOLTAGE:	12/24 VOLTS, AC/DC
CURRENT DRAW:	150 MA NOMINAL 500 MA MAXIMUM
RESPONSE TIME:	0.3 SECONDS
OPERATING MODES:	VIA 4 DIP-SWITCHES (RX-92)
LED'S:	INDICATE: RELAY STATUS, SIGNAL STRENGTH, LEARN MODE; ERASE MODE, AND POTENTIOMETER POSITION
OUTPUTS:	RX-91-1 X SPDT RELAY

### RX-92-2 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



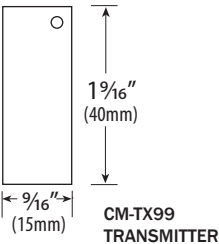
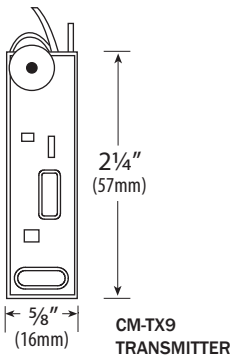
CM-RX-91/CM-RX92  
RECEIVERS - FRONT VIEW



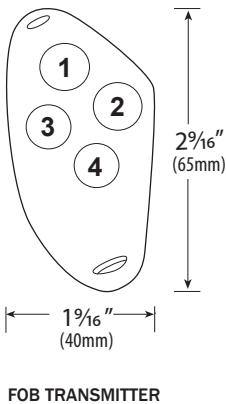
CM-RX-91/CM-RX92  
RECEIVERS - SIDE VIEW

SPECIFICATIONS

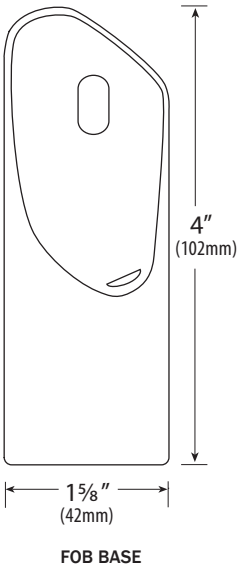
<b>CM-TX-9 TRANSMITTER</b>	
TRANSMIT FREQUENCY:	905.25 / 915.25 / 925.25 MHZ. (SPREAD SPECTRUM TECHNOLOGY)
CODES:	1 MILLION UNIQUE (20 BIT) CODES
DIMENSION:	2 1/4" H x 5/8" W x 3/8" D (57mm x 16mm x 10mm)
MOUNTING:	DOUBLE SIDED FOAM TAPE
SWITCH CONNECTION:	2" x 10" LEADS WITH 1/4" QUICK DISCONNECT TERMINATIONS
BUILT-IN PIEZO SOUNDER:	USED FOR LOW BATTERY STATUS, BATTERY GAUGE, AND STUCK SWITCH INDICATOR
POWER:	2 X AAA ALKALINE BATTERIES (SUPPLIED)
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)



<b>CM-TX-99 TRANSMITTER</b>	
TRANSMIT FREQUENCY:	905.25 / 915.25 / 925.25 MHZ. (SPREAD SPECTRUM TECHNOLOGY)
CODES:	1 MILLION UNIQUE (20 BIT) CODES
DIMENSION:	1 9/16" H x 9/16" W x 5/16" D (40 mm x 15 mm x 8mm)
CONNECTION:	PLUG-IN CIRCUIT BOARD FOR CM-120 SERIES KEYPADS AND CM-330 SERIES HAND-FREE SWITCHES
POWER:	PROVIDED BY KEYPAD OR HANDS-FREE SWITCH
CURRENT DRAW:	2 MA
RANGE:	OVER 500 FT (152M), OPEN AREA
TEMPERATURE RATING:	-40°F TO 185°F (-40°C TO +85°C)



<b>CM-TXLF SERIES FOB TRANSMITTERS</b>	
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)



ORDERING INFORMATION

MODEL	DESCRIPTION
<b>TRANSMITTER</b>	
CM-TX-9	WALL SWITCH TRANSMITTER
CM-TX-99	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
<b>RECEIVERS</b>	
CM-RX-91	BASIC SINGLE RELAY RECEIVER
CM-RX-92	FULL FUNCTION DUAL RELAY RECEIVER
<b>OPTIONAL PLUG-IN RECEIVER BOARDS</b>	
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)
<b>SERVICE TOOL</b>	
CM-RFCT	PLUG IN CABLE TOOL, 33"



CM-331

COMPATIBLE LAZERPOINT RF™ WIRELESS PRODUCTS

MODEL	DESCRIPTION
<b>SUREWAVE™ HANDS-FREE SWITCHES</b>	
CM-331	HANDS-FREE SWITCH, 1 RELAY, WITH OPTION FOR TX-99 WIRELESS TRANSMITTER.
CM-332	HANDS-FREE SWITCH, 2 RELAY, WITH OPTION FOR TX-99 WIRELESS TRANSMITTER. SUREWAVE™ SWITCHES HAVE THE OPTION FOR POLYCARBONATE OR STAINLESS STEEL FACEPLATE, GRAPHIC OPTIONS AND PLUG-IN LIGHT RING.
<b>120 SERIES DIGITAL KEYPADS</b>	
CM-120i	INDOOR, STAND-ALONE OR WEIGAND OPERATION WITH OPTION FOR TX-99 WIRELESS TRANSMITTER.
CM-120wV2	OUTDOOR, BACK-LIT, VANDAL RESISTANT, STAND-ALONE OR WEIGAND OPERATION WITH OPTION FOR TX-99 WIRELES TRANSMITTER.
CM-120TX	OUTDOOR, BACK-LIT, VANDAL RESISTANT, WIRELESS KEYPAD



CM-120i



CM-120wV2

## WIRELESS SWITCH PACKAGES

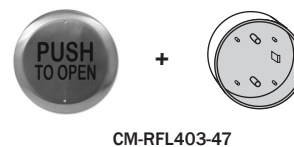
Switch packages include everything you need for your installation; (2) CM-TX-9 wireless transmitters, (1) CM-RX-91 receiver, (2) stainless steel all-active switches, and (2) ABS mounting boxes/enclosures.

MODEL	DESCRIPTION
<b>JAMB WIDTH SWITCH PACKAGES (CM-25 SERIES)</b>	
CM-RFL252	WHEELCHAIR SYMBOL + SURFACE BOX
CM-RFL253	'PUSH TO OPEN' + SURFACE BOX
CM-RFL254	TEXT AND SYMBOL + SURFACE BOX
<b>4 1/2" ROUND SWITCH PACKAGES (CM-40 SERIES)</b>	
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
<b>4 1/2" SQUARE SWITCH PACKAGES (CM-45 SERIES)</b>	
CM-RFL452	WHEELCHAIR SYMBOL + SURFACE BOX
CM-RFL453	'PUSH TO OPEN' + SURFACE BOX
CM-RFL454	TEXT AND SYMBOL + SURFACE BOX
<b>4 1/2" SQUARE SWITCH PACKAGES (CM-46 SERIES)</b>	
CM-RFL462	WHEELCHAIR SYMBOL + SURFACE BOX
CM-RFL463	'PUSH TO OPEN' + SURFACE BOX
CM-RFL464	TEXT AND SYMBOL + SURFACE BOX
<b>6" ROUND SWITCH PACKAGES (CM-60 SERIES)</b>	
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

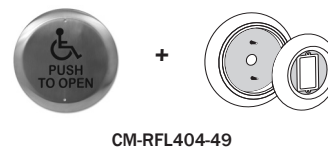
RECEIVER OPTION: ADD 'D' TO SWITCH PACKAGE # FOR CM-RX-92 DUAL RELAY RECEIVER IN PLACE OF CM-RX-91



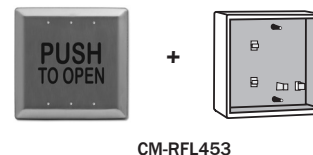
CM-RFL252



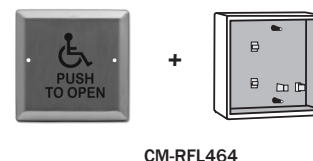
CM-RFL403-47



CM-RFL404-49



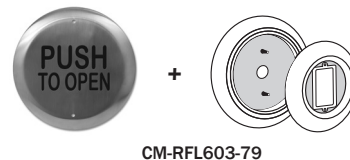
CM-RFL453



CM-RFL464



CM-RFL602-69



CM-RFL603-79