



Section 1

General Description

Camden Lazerpoint™ Radio Controls comprise the following models:

- CM-TXLF-1, CM-TXLF-2, & CM-TXLF-4 Key Fob Transmitters, as well as;
- CM-TX-9 Wall switch ready transmitter
- CM-TX-99 Plug-in 2-Channel Transmitter
- CM-RX-91 Basic Receiver
- CM-RX-92 Full function (dual relay) Receiver.

These instructions cover the TXLF transmitters.

Camden Key Fob transmitters utilize readily available CR-2032 Lithium batteries, and special circuitry to assure long life. A proprietary bi-colour LED circuit is used to announce wireless activation, low battery, & Battery Gas Gauge™ conditions.

Section 2

Installation

Mounting

Camden TXLF Fobs can be attached to a key chain using the included ring.

Fobs can also be mounted to a wheelchair by using accessory number # CM-TXLFM Mounting Base. This unique accessory converts any of the Mini Fobs to a full size unit which may be clipped to a belt or sun-visor, or fastened to a desk or counter for reception use. See our Lazerpoint™ spec sheet or TXLFB Instruction manual for further details.

The CR-2032 battery is pre-installed in the Fob. Simply press the button and observe the GREEN LED, which indicates proper transmission.

Test the battery strength by pressing and holding the button for approximately 5 seconds. The LED should flash RED 5 times, meaning the battery is at full capacity. This is the Battery Gas Gauge™ feature. If the LED flashes RED only 1 - 2 times, you should change the battery for a fresh (new) one. See instructions at right.

When the battery is low and needs to be changed, the LED

will indicate a slow red flash — 1 flash per second. The unit will still continue to function (transmit) for a time, but the battery should be changed as soon as possible.

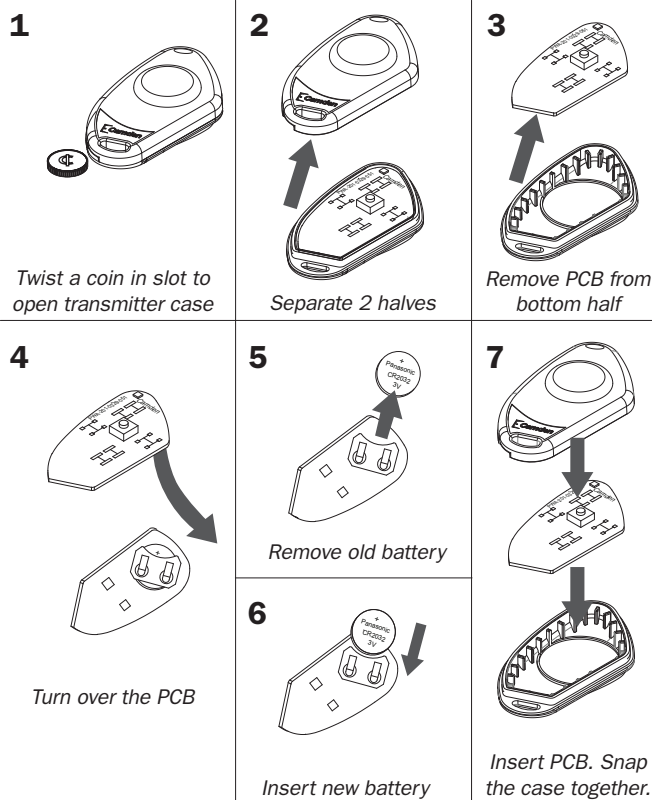
Learning the Transmitter(s) to the Receiver

To learn the transmitter into an RX-91 or RX-92 receiver, press the PB1 (or PB2) button on the Receiver using a small blunt object such as a small blade screwdriver or similar. Within 10 seconds, press the button on the TXLF transmitter. The Green LED Array will flash once to confirm enrollment. Repeat with any additional transmitters. Pressing the learned transmitter again will signal the receiver that you are finished programming and LED's 1 & 2 will flash, in an alternating sequence. Pressing the transmitter a third time will activate the relay and corresponding LED, and also the device connected to the relay contacts.

For multiple button FOBS – TXLF-2 & TXLF-4, learn the desired button into one receiver, and the other button(s) into additional receivers. (You could also learn Button 1 into Channel 1 of the RX-92, and Button 2 into Channel 2 of the same RX-92.)

Refer to the RX-91 or RX-92 receiver for further programming instructions.

Replacing the Battery



Section 3

Technical Data

Models:	TXLF-1 (FVIN: 3A) TXLF-2 (FVIN: 3B) TXLF-4 (FVIN: 3C)
Buttons / Channels:	1, 2, & 4 respectively.
Frequency:	Operates in the 902 - 928 MHz ISM Band
Codes:	1 million (20 bit) codes
Size:	2 9/16" L x 1 9/16" W x 5/8" D (102mm x 42mm x 16mm)
LED Indicator:	Used for transmit status (green), Low Battery, and Battery Gas Gauge™ indicator (red).
Power:	1 x CR-2032 Lithium battery
Battery life:	Minimum 115,000 operations
Range:	Over 250 ft (76 m) open area
Temperature rating:	-40°F to 185°F (-40°C to +85°C)

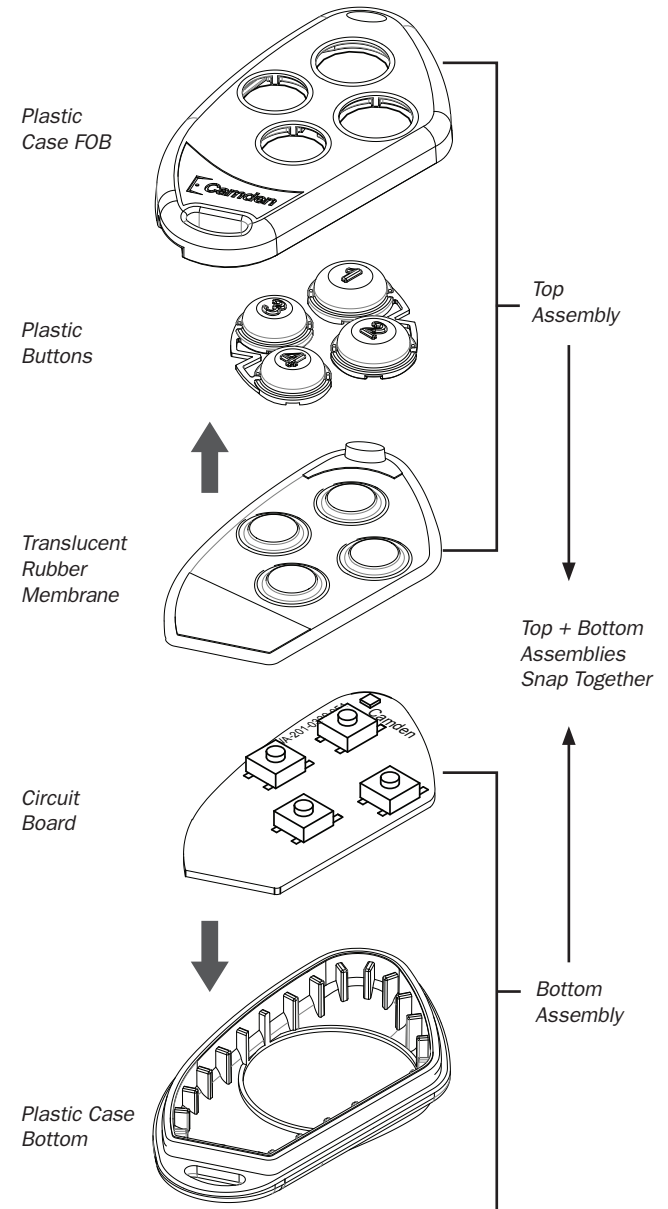
Section 4

Warranty

Camden Door Controls guarantees the CM TXLF series transmitters to be free from manufacturing defects for 3 years from date of sale. If during the first 3 years a TXLF transmitter fails to perform correctly, it may be returned to our factory where it will be repaired or replaced (at our discretion) without charge. Except as stated herein, Camden extends no warranties expressed or implied regarding function, performance or service.

Batteries are exempt from this warranty.

Assembly Instructions



IC & FCC INFORMATION FOR USERS

IC: 8725A-TXLF

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) l'appareil ne doit pas produire de brouillage;
- 2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FCC ID: 2AHAB-TXLF

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications made to this equipment not expressly approved by Camden Door Controls could void the user's authority to operate the equipment.



Push Buttons



Keypads



Strikes



Magnetic Locks



Key Switches



Relays & Timers



Access Control



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File: CM-TXLF Transmitter
Manual.indd- Rev.5
Revised: 25/05/2016
Part No: 40-82B160