

## General Description

Camden Lazerpoint™ Radio Controls comprise the following models:  
CM-TX-9 Wall switch ready transmitter  
CM-RX-91 Basic Receiver  
CM-RX-92 Full function (dual relay) Receiver.

TX-9 transmitters utilize readily available AAA batteries, and special circuitry to assure long life.

A proprietary piezo sounder is used to annunciate low battery, battery level, and “stuck switch” conditions.

These instructions cover the TX-9 transmitter.

## Mounting

The TX-9 is designed to mount behind a switch in a wall-box, post, or other suitable enclosure. Double sided tape is used to attach the circuit board and battery holder securely to the enclosure. Even though the circuit board is conformal coated, care should be taken to ensure the transmitter does not get wet.

## Wiring

Refer to the TX-9 Installation Drawing (see reverse side) for the following connections:

Connect the transmitter wires to the activating switch (N.O. momentary dry contacts). Insert 2 fresh AAA alkaline batteries (provided) into the battery holder (observe proper polarity). Press the switch and observe the red LED to ensure proper transmission. Test the transmitter by pressing and holding the switch for 5 seconds. The piezo speaker should sound 5 beeps, meaning the batteries are at full capacity. This is the Battery Gauge™ feature. If the piezo beeps only 1 - 3 times, you should change the batteries for fresh (new) ones.

Now press and hold the switch for 15 seconds. The piezo should now make a distinctive hi-low sound. This signal will sound for 6 seconds, then turn off for a minute, then sound again. This is the “stuck switch indicator” feature.

## Learning the Transmitter(s) to the Receiver

To learn the transmitter into the 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 switch connected to the TX-9 transmitter. The Green LED Array will flash once to confirm enrolment. 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.

If you wait longer than the 10 second period, the receiver will time out of Learn Mode and revert back to standby. The LED will then flash to indicate the number of transmitters learned into the receiver.

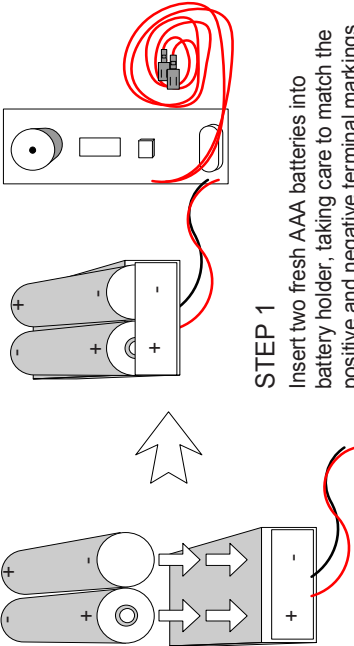
## Technical Data

Model	TX-9 Transmitter
Frequency:	Operates in the 902 – 928 MHz ISM Band
Codes	1 million (20 bit) codes
Size	2 ¼” L x 5/8” W x 3/8” H
Mounting	Double sided foam tape
Switch Connection	2 x 10” leads with ¼” quick disconnect terminations
Built-in Piezo sounder	Used for Low Battery status, Battery Gauge™, and Stuck Switch indicator.
Power	2 x AAA alkaline batteries
Battery life	Minimum 500,000 operations
Range	Over 500 ft (open area)
Temperature rating	-40 ° to 185° F (-40 ° to +85 °C)

## Warranty

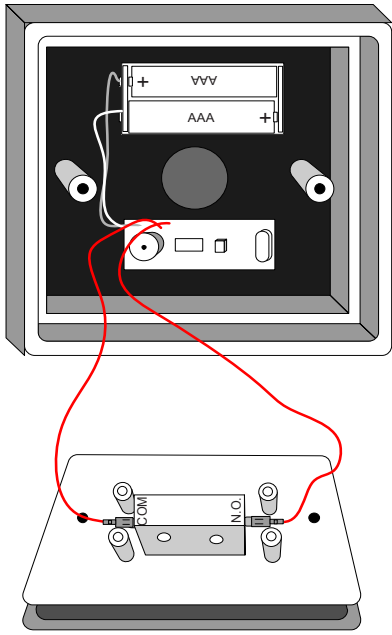
Camden Door Controls guarantees the Lazerpoint™ RF (TX-9, RX-91, or RX-92 models) to be free from manufacturing defects for 3 years from date of sale. If during the first 3 years a Lazerpoint RF component fails to perform correctly, it may be returned to our factory where it will be repaired or replaced (at our discretion) without charge. Except as stated herein, Camden extends no warranties expressed or implied regarding function, performance or service.

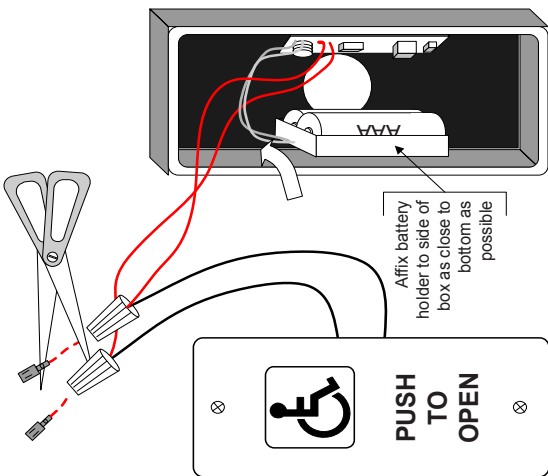
*NOTE: Batteries are exempt from this warranty!*




**STEP 1**  
Insert two fresh AAA batteries into battery holder, taking care to match the positive and negative terminal markings on case.

OR





**STEP 2b**  
**USING WITH OUR CM-25 SWITCH & CM-23d BOX**  
Peel off the release paper on the back of the transmitter and battery holder.  
Position on each side of the enclosure ensuring battery holder is tight to the bottom of box (as shown above).  
Cut off the two 1/4" Female connectors, and strip wires.  
Connect to the two leads from switch using small twist-on MARR connectors.  
Install switch to box, and test for proper operation.

	<p><b>Camden Door Controls</b></p> <p>5502 Timberlea Blvd Mississauga, Ontario L4W 2T7</p>	<p>DATE: 03/24/10</p> <p>REvised: 16/09/15</p>	
<p>SCALE: NONE</p>	<p>DRAWN BY: DGW</p>	<p><b>TX-9 Typical Installation Examples</b></p>	
<p>DRAWING No: TX-9-Installation</p>		<p>FILENAME: TX-9 Installation Drwg.vsd</p>	

**STEP 2a**  
**USING WITH OUR CM-45 SWITCH & CM-43 BOX**  
Peel off the release paper on the back of the transmitter and batter holder.  
Position on back of the enclosure ensuring clearance for the switch (as shown above).  
Connect the two red leads to the N.O. and Common terminals of the switch and mount switch to enclosure.  
Test for proper operation.

## IC & FCC INFORMATION FOR USERS

### IC: 8725A-TX9

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-TX9

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 Control could void the user's authority to operate the equipment.

## OEM Labeling Requirements

**WARNING:** The Original Equipment Manufacturer (OEM) must ensure that FCC labeling requirements are met. This includes a clearly visible label on the outside of the final product enclosure that displays the contents shown in the figure below.

Required FCC Label for OEM products containing the CM-TX-9 Module.

Contains FCC ID: 2AHAB-TX9 & IC: 8725A-TX9

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 interferences that may cause undesired operation.

**IMPORTANT:** OEMs must test final product to comply with unintentional radiators (FCC section 15.107 & 15.109) before declaring compliance of their final product to Part 15 of the FCC Rules.



Push Buttons



Key Pads



Strikes



Magnetic Locks



Key Switches



Relays & Timers



Access Control



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File: Lazerpoint RF TX-9  
Manual .indd Rev.6  
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