



T-7/T-7-SM Operating Guide

Rugged Keypad Remote Control



Photo for reference only. Customer specific overlay shown.

IMPORTANT!

Read this manual completely before operating system.

Keep this manual available for future reference.

Make sure the area is safe for operating equipment before turning power on or starting equipment.

If you encounter any problem or malfunction, discontinue use immediately, and contact your equipment dealer for service or replacement parts.

CAUTION

Improper operation of these controls could cause damage to equipment. Do not allow anyone to operate this equipment before completely reading all manuals.

NOTICE

Miratron, Inc. controls are not intended for life or safety applications. Miratron, Inc. shall not accept responsibility for installation, application, or safety of machine or systems which utilize miratron, Inc. controls.

Care and Handling

Failure to follow care and handling instructions will void the warranty and could result in unsafe equipment operation.

Clean transmitter gently with a damp cloth or dry, compressed air. Do not immerse transmitter in water, or spray with hose. Do not store outside.

Do not drop transmitter or otherwise subject transmitter to physical shock.

Do not expose transmitter to extreme temperatures.

Do not open transmitter enclosure. Transmitter contains no user serviceable parts.

OPERATION

Controls

Transmitters are custom labeled, and may be equipped with a "SHIFT" or "ALT" button to provide multiple functions for each button. Take time to become familiar with the operation and arrangement of the buttons before operating equipment.

Batteries

The T-7 transmitter operates from a standard 9-volt battery. Alkaline batteries generally provide longest life. If rechargeable batteries are used, NiMH type are recommended. T-7 battery is accessible by removing the screws that secure the cover plate on the back of the transmitter. To ensure maximum battery life, be sure to turn the transmitter OFF when not in use. Remove batteries prior to shipping or storing transmitter.

Transmitter/Receiver Matching

Transmitters and receivers are shipped from the factory as matched pairs. If a new transmitter is to be used, it must be trained to operate the receiver.

Training procedure:

1. Power on transmitter and receiver.
2. Press "LEARN" button on receiver.*
3. Operate transmitter normally.

*Receiver models without learn button feature will have alternative matching procedure. Consult factory for details.

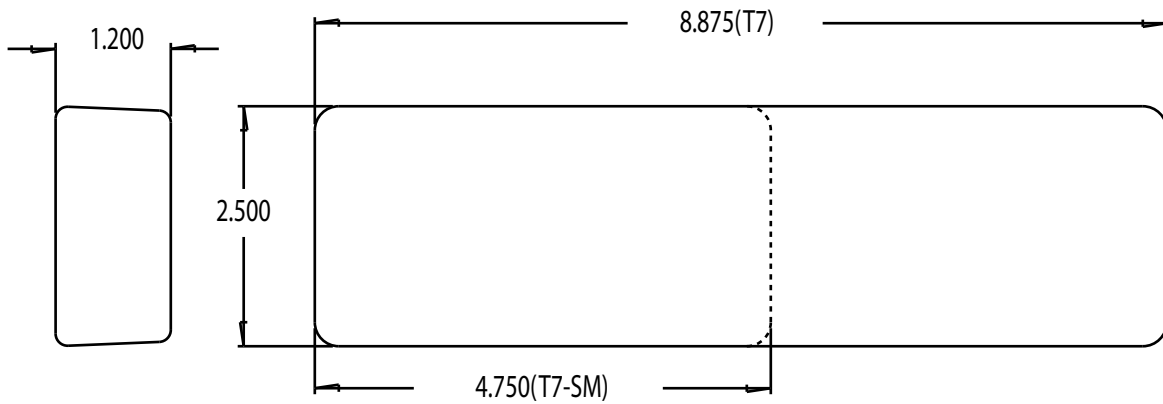
SPECIFICATIONS

Transmitter

Frequency	TZ7: 2.4-2.4835GHz, Unlicensed ISM band TF7: 433.92MHz
Range	TZ7: 300' line of sight TF7: 100' line of sight
Battery Type	9-volt alkaline
Led Indicator	Flashing or Solid (application specific) = normal

Environmental

Storage	-40°C to 85°C
Operating	-10°C to 60°C



Troubleshooting:

ISSUE	SOLUTIONS
Transmitter not working. LED not on or blinking.	Install new batteries. Make sure power switch is pressed (if applicable)
Transmitter not working. LED on or blinking.	Install new battery. Make sure receiver is powered. Check receiver fuse. Make sure transmitter is in range of receiver. Make sure transmitter and receiver are matched.
Poor range.	Check receiver antenna and cable for loose connections or damage. Install new battery. Obstructions, interference, and adverse weather can affect range.
One or more functions do not operate properly.	Verify receiver wiring is correct. Verify control device is operational (solenoid valve, pump, etc.) Inspect transmitter, receiver, and cabling for damage. (Do not open.) Some control systems feature special program logic that can disable functions under certain conditions. Consult factory for specific details.