



Reactive Target System LTD.



# Wireless Range System

USER MANUAL



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### Introduction:

RTS (Reactive Target Systems) introduces a technological leap in erecting and managing wireless electronic shooting ranges. It provides accurate counting of hits in indoor and outdoor shooting ranges, both for combat trainees and private individuals.

### System advantages:

- Eliminates the need of crossing the fire line in order to check target hits during practice.
- Significantly increase shooting range safety.
- Improves efficiency and saves precious training time.

### System Parts:

QTY	Image	Part name	QTY	Image	Part name
9		Target Board	9		Sensor
10		Target Pole	9		Transmitter
10		Base with plate	2		Remote Control
1		Numerator	1		Numerator Bag

### The following accessories are not included and can be purchased separately:

- Falling target Smart Joints.
- Friend / Foe plastic figure dressing



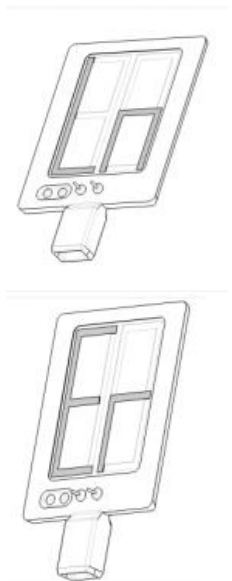
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### Numerator Setup

1. Open the lid at the back of the monitor and insert 6 AA batteries as indicated and close the lid.
2. Position the monitor close to the firing line.
3. Push up the left switch on the monitor until the indicator S-29 blinks for one second.
4. Push down the right switch on the monitor until LN (Learn) lights up
5. Wait until the message ER light up, which indicates that all previous records were erased.

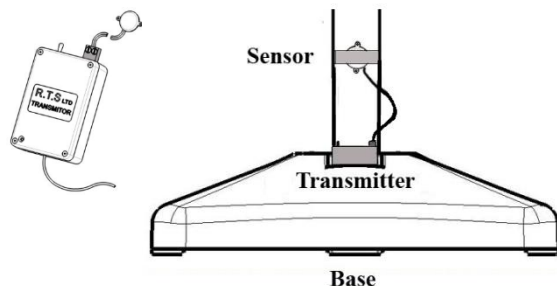


### Transmitter and Sensor Setup

1. Place the Target Base on the ground in a stable manner, with the labels facing the firing line.
2. Push the Target Pole firmly into the appropriate socket in the base and attach the target torso to the upper part of the Pole.
3. For Falling Targets, Place the Smart Joint in to the round Base socket and twist to lock, push the Target Pole in to the top socket of the Smart Joint and attach the target torso to the upper part of the Pole.
4. Use the included rubber band or any other adhesive tape and attach the sensor disc to the target column, about 2 inches above the base, facing the firing line.
5. Connect the sensor's wire to the transmitter and make sure that it is properly connected.

The transmitter's switch has 3 positions:

- a) Middle: normal sensitivity.
- b) Left: high sensitivity.
- c) Right : low sensitivity.



Place the transmitter in the front Base socket – socket pointing up.

6. Repeat previous steps with the remaining targets (up to 9 targets).



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## Remote control congruity

1. Press the RTS Numerator's right button until LN is visible.
2. Press several times on any remote control button until R-1 is visible
3. Repeat procedure for up to 3 remote controls to be used simultaneously

## Target/Numerator Coordination

1. Press the Numerator's right switch until LN appears
2. Hit the RTS Reactive Target Torso with a metallic object or shoot one bullet at it. T1 (Target No.1) appears on the monitor.
3. Repeat procedure for up to 9 targets to be used simultaneously.



## Operating the Remote Control

1. Button #1 (upper left corner) turns Monitor On/Off
  2. Button #2 (upper right corner) target navigation up
  3. Button #3 (bottom left corner) – zeroes score of displayed target
  4. Button #4 (bottom right corner) – target navigation down
- Pressing buttons 1 and 3 simultaneously will zero all targets scores.



## Specifications:

- All system components can be easily mobilized.
- Effective distance from target to monitor up to 300 meters depending on the conditions of the area.
- Range can be increased by raising the transmitter higher up from ground level.
- Closest effective firing range: 5 meters for pistol, 10 meters for rifle
- Firing from a closer range can cause over score in due to the blast.
- Operational temperature range: 32-122 degrees Fahrenheit (0-50 Celsius)



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### Trouble Shooting:

Part	Problem	Solution
Numerator	Does not turn on	<ul style="list-style-type: none"><li>➤ Check that the batteries are correctly inserted</li><li>➤ Check that the batteries are fully charged</li><li>➤ Change batteries if necessary</li></ul>
Numerator	Incorrect scoring	<ul style="list-style-type: none"><li>➤ Check the transmitter's range limit</li><li>➤ Try to raise the transmitter's elevation from the ground</li><li>➤ Replace batteries</li></ul>
Sensor & Transmitter	No signal	<ul style="list-style-type: none"><li>➤ Check batteries</li><li>➤ Check sensor/transmitter connection</li><li>➤ Check if sensor is intact</li><li>➤ Change sensor</li></ul>
Sensor & Transmitter	Transmitter Sensitivity	<ul style="list-style-type: none"><li>➤ Start by placing selector sensitivity switch on default (middle position)</li><li>➤ In case of low score: move sensitivity switch away from the green connector to increase sensitivity</li><li>➤ In case of over score: move sensitivity switch towards the green connector to decrease sensitivity</li><li>➤ In case of over score, make sure closest effective firing range is kept</li></ul>