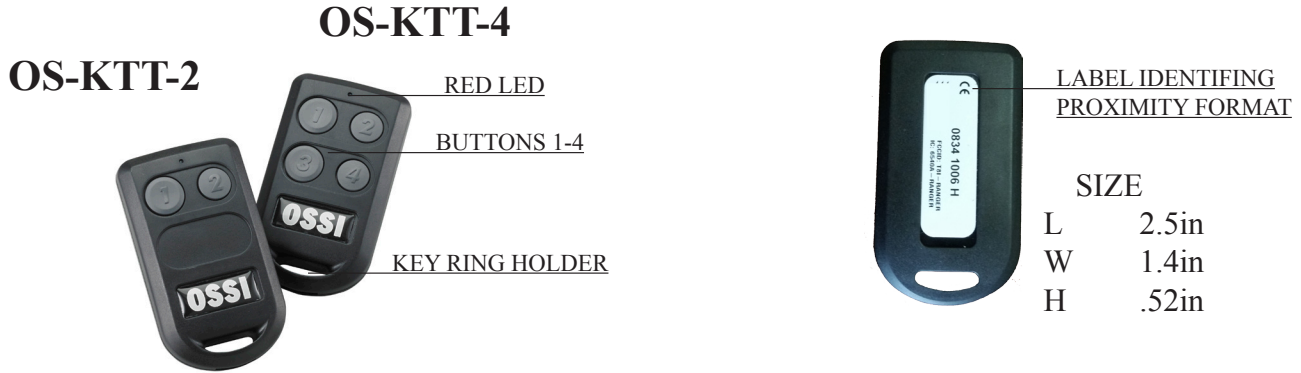Wireless Radio Transmitters and Long Range Receivers with an integrated receive antenna comprise OSSI's 433mhz high frequency, long-range access control solution. Intended for security access control long range applications, OSSI's wireless communication is based upon a secure, digital, anti-playback routine.

KTT Transmitters are available in either a two or four-button configuration, with each corresponding to its own Wiegand output on the GT series receiver. Each Transmitter includes an integrated red LED, used to indicate both positive button press and battery strength. Each transmitter comes standard with a standard proximity inlay compatible with HID, AWID or Farpoint data readers. The KTT series may also be ordered special with a contactless smartcard module. The proximity or smartcard module allows the Transmitter to also be used as a close-range access credential similar to any standard fob.

OS-KTT-4

OS-KTT-2

RED LED

BUTTONS 1-4

KEY RING HOLDER

LABEL IDENTIFING PROXIMITY FORMAT

SIZE
L   2.5in
W   1.4in
H   .52in

Output Formats

Transmitters are sequentially coded in either the industry standard 26-bit Wiegand format or custom Wiegand formats, with exact number sequences. As a cross reference the Transmitters' internal ID number is printed on the ID label found on the back of the Transmitter. Specific coding details, including format, facility code, and ID range can be found on the Transmitter shipping box, as well as the shipment's packing list.

Battery Replacement

Transmitters include a replaceable CR2032, 3.3V, lithium battery3. The battery should be replaced when a button press does not result in a flash of the LED, reliable read range, and/or an output from the Receiver.

To replace the battery, follow the directions below:

1. Using a coin, place it in the gap (2-piece unit) near the key ring holder and twist to pop the transmitter open.
2. Remove the old battery.
3. Insert the new CR2032, 3.3V, lithium battery. Be sure the plus (+) side of the battery is facing up ('+' visible when installed).
4. Snap both pieces together.

Range

Maximum read range between the Transmitter and Receiver is up to 150-feet

Enrollment

Transmitter must be clicked twice within a Receiver's close proximity read range to be learned upon receiver power up. This synchronizes the transmitter and receiver rolling codes. If the transmitter is clicked more than five times outside of the Receivers read range the transmitter and receiver will be desynchronized . To re-sync click twice again within read range.

Time-Out

Ranger transmitters make use of a time-out feature to preserve battery life and prevent interference with other transmitters on the field. When a button is held down continuously the transmitter will transmit the code once and shutdown and will power up once the button is released.

Troubleshooting

Issue/Possible Cause	Corrective Action
No data received/Transmitter not enrolled	Transmitter must be clicked twice to be learned by the Receiver upon initial Receiver power up
Short Read Range/Receiver Knob	Adjust range adjustment control to maximum setting (turn clockwise)
Some Buttons not working/Channel Jumper	Jumper must be set to channel 'A' for buttons 1 & 2. Jumper must be set to channel 'B' for buttons 3 & 4
Prox insert not working/Compatibility	Proximity or contactless smartcard module interoperability must be requested on PO