



OPERATING INSTRUCTIONS – DTS RX1 SINGLE CHANNEL RECEIVER

General Operation:

- a) The receiver will operate with a 12 to 24V AC or DC supply. The relay contacts are rated at 1A/125VAC or 1A/30VDC and are intended for signal switching only.
- b) The receiver memory will hold 31 remote transmitter keys, with or without full code hopping decryption.
- c) Momentary or latching mode is selected by the channel option jumper (*jumper link fitted for latching / not fitted, for momentary mode*).

Adding a Transmitter Key to the receiver:

1. Press and release the “learn” push button to enter the learn mode. The Green RX LED will be on, indicating that the “learn” mode is active. (The Red Channel LED will also be on). The ‘Learn’ mode is enabled for only 5 seconds. The receiver will exit “learn” mode automatically if there is no activity within this period.
2. With the receiver in “learn” mode, press and release the required button on your remote transmitter. The receiver will cancel “learn” mode if the remote transmitter key is already programmed into the receiver memory. On reception of a valid key, the red channel LED indicator will switch off and the steady green RX LED will change to rapid flashing. A further press and release of the remote transmitter push button is required to validate the key entry. (minimizes the possibility of inadvertently unwanted keys).
3. Successful entry and programming is indicated by one of the following methods:
 - a) Two simultaneous flashes of the channel red LED and the green RX LED indicating that a non registered key has been successfully entered and will be without code hopping decryption but with serial number decoding only.
 - b) Three simultaneous flashes of the channel red LED and the green RX LED indicating that a non registered key has been successfully entered and will be decoded with full code hopping decryption and synchronization.

Removing a Transmitter Key:

1. Press and hold the “learn” push button, release immediately after 5 seconds when the green LED turns on. The green LED indicates that the “erase” mode has been activated. Press and release the required remote transmitter push button that needs to be erased. Successful erasure is indicated by all the LED’s turning on for 1 second.
2. The “erase” mode will self cancel after 5 seconds if no remote transmitter key has been received or if the received remote transmitter key is not in the receiver memory.
3. Repeat step 1 for erasing additional keys.

Total memory erasure:

1. Press and hold the “learn” push button. After 5 seconds the green RX LED will switch on. Continue holding for another 5 seconds until all the LED’s start flashing, then release the “learn” push button. All the LED’s will flash together 5 times indicating total erasure of receiver memory. (Will flash 10 times if in Keelog mode)

General Indications:

- a) A self test procedure is performed when the receiver power supply is connected. Successful initialization is indicated by 1 short flash of both LED’s. 5 short flashes will indicate that the receiver’s memory is totally erased.
- b) Rapid flashing of the red LED while adding a new transmitter key indicates that the receivers memory is full (*31 keys stored*). If this 32nd key is saved, the user must be aware that the 1st key saved will be discarded. Additional new keys saved will discard older keys on a “first in / first out” cyclic basis.
- c) Rapid flashing of the green RX LED when the remote transmitter push button is pressed indicates that the remote transmitter battery is low.

To change the receiver from Open to Keelog mode and Visa Versa

Totally master erase the receiver. Disconnect the power. Fit the latch mode jumper J1. Press & hold the program push button while re-applying the power until the LED starts to flash. (5 flashes indicates open code mode & 10 flashes indicates Keelog mode).). Remove Jumper J1.

Please note that **ONLY** the DTS remotes with the blue buttons can be used in Keelog mode.



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