



Operating Instructions for 5th Wheel RF Remote Control Transmitter and Receiver

Introduction: The RF remote control is a replacement for the 183744 remote control used in 5th wheel RVs to operate electric landing gear jacks, stabilizer jacks, room slide out, and certain awnings. Operating at a fixed frequency of 340 MHz the remote control operates from 12VDC and provides four 12 VDC polarity reversing outputs and one light output. The system is comprised of the RF Receiver and RF Transmitter. The Receiver has terminal blocks for connecting the input power, 4 polarity reversing outputs, light output and 12VDC output power to the manual switches. Each Transmitter has a unique address that is transmitted when a button is pressed. A "program" button is provided on the Receiver to program the Transmitter(s) address into the Receiver's memory. A LED on the Receiver indicates the programming status and illuminates when the Receiver is energized. The Receiver is encased in a small, waterproof enclosure. The operating range is 100 feet.

Current Detection: The remote control incorporates a current detection circuit that will disconnect the outputs when any one output exceeds 40 Amps. When the current shutdown activates, all outputs are shut down for 5 seconds. After the 5 second time out the outputs will automatically be re-activated. Note: The LIGHT output is not a part of the current detection circuit.

Maximum Ratings: Power for the receiver can be in the range of 10 to 15Vdc. The receiver is reverse polarity protected. The relay contacts are rated at 30 Amps @ 13.8Vdc. The LIGHT output is rated at 8 Amps @ 13.8Vdc.

Power Consumption: 10mA when the relays are de-energized. 45mA when one relay is energized.

Dimensions: Receiver dimensions are approximately 5" L x 5" W x 2" H.

Operating Temperature Range: 0° F to 160° F.

Programming Instructions: Each transmitter has its own unique internal address that is transmitted whenever a button on the transmitter is pressed. The receiver needs to be programmed to respond only to the transmitter it is intended to operate with. The following steps configure the receiver to operate with a particular transmitter. Please read the entire programming procedure before starting. Prior to programming the receiver, verify that the receiver is connected to the input power. When the receiver enters program mode, all previous transmitter addresses that were programmed will be erased from the receiver's memory.

1. Locate the pushbutton labeled "**PROGRAM**" on the receiver. Press and hold this button until the red LED next to the program button illuminates (approximately 3 seconds). The receiver is now in the transmitter program mode, release the program button. At this point all previously programmed transmitter addresses are erased from the receiver's memory.
2. Press and release any button on the transmitter and verify that the red LED on the receiver will blink rapidly, and then extinguish. The receiver is now in the normal mode of operation. Note: This sequence should be done quickly because once the program LED illuminates you only have a few seconds to push a switch on the transmitter before it times out. This completes the programming instructions. The receiver will retain the programming even when power is removed.



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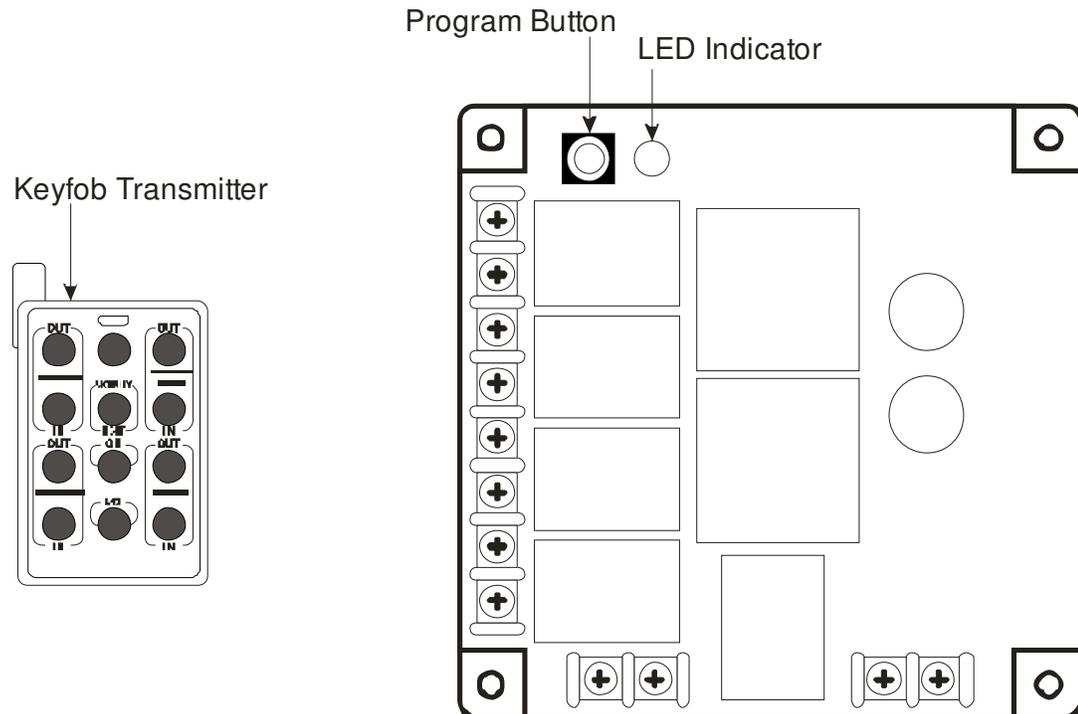
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Operating Instructions: The following information is provided to turn on the remote control system and to operate the equipment connected to the output of the receiver. The remote control system has a built-in 5-minute automatic time out feature. Once the system is turned on it will be active for 5-minutes and then automatically turn off; this is a safety feature to prevent activation of outputs if the user does not turn off the system. The transmitter has a LED located at the front top which illuminates when a switch is pressed. If the LED does not illuminate when a switch is pressed the battery in the transmitter may be drained and will require replacement; remove the two Phillips screws from the cover and replace the (style A23, 12-volt) battery.

Turn On Sequence: Refer to the illustration of the transmitter. Locate the two bottom middle switches on the transmitter labeled “LCI” and “ON”. First press and release the LCI switch and then press and release the ON switch, this will activate the system for 5-minutes of operation; the program LED on the receiver will illuminate when the system is turned on. Select any feature on the transmitter and use the corresponding switches to operate. To turn off the system press and release the LCI switch and then the ON switch.

Security Light: As a convenience the security light feature is always active regardless of the on/off state of the system. Press and release the SECURITY LIGHT switch position to turn on the security light on the 5th wheel, press and release the SECURITY LIGHT switch again to turn off the light.