

WARNING: IN ACCORDANCE WITH AUSTRALIAN LAW, ELECTRICAL DEVICES MUST ONLY BE INSTALLED BY A QUALIFIED ELECTRICIAN

## RCL SERIES RECEIVERS: TECHNICAL INFORMATION

### General Information

The RCL series receiver is a 2 channel, 240Vac RF radio receiver. Each output is rated to 16A ( 3000W). This receiver will operate up to a range of 150m line of sight. This unit has 3 modes of operation, each relay can be assigned independently:

Impulsive: output relay will stay closed whilst the remote button is held.

Toggle: ON/OFF mode. Pressing the button will active the relay, pressing again will deactivate the relay

Timer Control: Up to 8hours 59 minutes and 69 seconds

### To Set the Impulsive, On-Off & Timer Control Functions

Before starting select the channel (CH1 or CH2, see figure) using the jumper. This channel is the one we will apply the function to according to one of the following procedures.

Attention-If the jumper is not inserted the receiver will modify the settings for channel 2(CH2).-Once you have entered the menu you cannot leave without altering the settings. The receiver will save the settings automatically 5 seconds after the last button was released.

**1- To set the impulsive function ("IMP"):** Press and hold down the "SET" button until the led "IMP" lights up. Release the button and wait until the led goes out (the led will go out five seconds after the button is released and the settings will be saved automatically).In this way we have associated an impulsive function to CH1 and/or CH2.

**2- To set the on-off function ("ON-OFF"):** Press the "SET" button twice and hold down Until the "ON-OFF" led lights up . Release the button and wait until the led goes out (the led will go out five seconds after the button is released and the settings will be saved automatically). If the channels are memorized with "single" mode we have associated an ON/OFFfunction to CH1 and CH2.If the channels are memorized with "couple" mode we have associated an ON function to CH1 and OFF function to CH2.

**3- To set the timer function ("SEC, MIN, HOU"):** To change the seconds, press the "SET" button three times and hold down until the "SEC" led lights up. At this point we can change the seconds by increasing them using the "MEM" button or decreasing them using the "DEL" button. Each time you press the "MEM or "DEL" button the led will go out and the value will be increased or decreased (e.g. 10 impulses correspond to 10 seconds). You can set from 1 to 59 seconds, from 0 to 59 minutes and from 0 to 8 hours: Once you have reached the maximum of minimum limit the led will switch off and the value will no longer be increased or decreased. After the seconds have been modified we can either wait for the led to go out and save the settings or we can modify the minutes and hours. To change the minutes press the "SET" button another time (within five seconds) until the "MIN" led lights up. At this point we can change the seconds by increasing them using the "MEM" button or decreasing them using the "DEL"button. After the minutes have been modified we can either wait for the led to go out and save the settings for the seconds and minutes or we can modify the hours. To change the hours press the "SET" button another time (within five seconds)until the "HOU" led lights up. At this point we can change the seconds by increasing them using the "MEM" button or decreasing them using the "DEL"button. After the hours have been modified we can either wait for the led to go out and save the settings for the seconds, minutes and hours or we can press "SET"again to modify "IMP" or "ON-OFF" once more (see points 1 or 2). Each time you enter the timer setting function the starting values for the seconds, minutes and hours are as follows: SEC=1, MIN=0, HOUR=0. If you have memorized the channel in couple, you can turn-off the relay with CH2or CH4 before the set time.

**4- Adding a Remote.** Before starting select the channel (CH1 or CH2, see figure) using the jumper. This channel is the one we memorized the transmitter. The first transmitter must be memorized using the receiver (each time you start a new installation you should cancel the entire memory content by pressing DEL in the receiver)

4.1- Memorisation single channel The channels ch1,ch2,ch3,ch4 will be memorised one by one.1- Press and hold down the push button MEM of the receiver, the buzzer will sound continuously,2- Transmit the channel which is to be memorised, once the channel is memorised,the buzzer will sound intermittently, release the pushbutton. Repeat points 1 and 2 to memorise ulterior channels from receiver. See paragraph 5 to memorise ulterior channels from transmitter.

4.2- Memorisation couple of channels The channels ch1,ch2 and ch3,ch4 will be memorised in couple. 1- Press and hold down the push button MEM of The receiver, the buzzer will sound continuously. 2- Transmit one of the couple of channel which is to be memorised, once the channel is memorised, the buzzer will sound intermittently, release the push button. Repeat points 1 and 2 to memorise ulterior channels from receiver .See paragraph 5 to memorise ulterior channels from transmitter.

**5- How to insert a transmitter via radio without having to access the receiver by means of an already memorized transmitter (memory indexing procedure).** The type of memorisation of the channels (single, couple or 7-channel) depends on how the channel, which is used in point 2, has been memorized.1) Press the button P3 located inside the already memorized transmitter. The enabled receiver sound continuously for 5 seconds.2) Transmit a channel present in the memory of the receiver, in which the new code is to be memorized, within 5 seconds and the buzzer will interrupt the sound for 1sec, and then carry on for another 5 seconds. 3) Transmit the new channel to be memorized within 5 seconds and once memorized the buzzer will sound intermittently. To insert other transmitters another code repeat operations 1,2 and 3If the receiver's memory is full it cannot be enabled and this will be indicated by the buzzer B1 sounding intermittently.

**6- To cancel a code with the push button DEL in the receiver.** 1)Press and hold down "DEL", after 0.8 seconds buzzer will sound intermittently slowly. 2)Transmit the code which is to be cancelled , once it has been cancelled, buzzer will sound continuously. To cancel ulterior code repeat points 1 and 2.

Product Code:  
RCL

