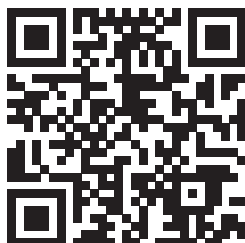


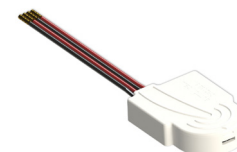
HNS310RK OWNER'S MANUAL



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for technical information



HNS311RX



HNS312TR

The HNS310RK is a Transmitter / Receiver kit containing a HNS312TR Transmitter and a HNS311RX Receiver. The 2 channel battery powered Transmitter controls the 2 load outputs on the Receiver via RF (Radio Frequency) signals. The Transmitter inputs are connected to any type of on/off switches, typically a standard single gang or dual gang wall switch.

1. FEATURES





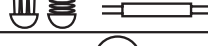


- Transmitter controlling up to 2 outputs of a Receiver
- Battery Powered Transmitter (CR2032 Lithium Battery, supplied)
- Range up to 50m line of sight, 30m in standard domestic, commercial or industrial environments
- Transmitter inputs connected to any type of on/off switch
- Typical configurations - Single Gang Wall Switch, Dual Gang Wall Switch
- Compatible with all standard electrical switches
- Put switches anywhere with no wiring needed
- User replaceable CR2032 battery provides up to 5 year battery life
- Dual channel switching - control two loads
- Heavy duty 20A outputs for loads of any type including inductive loads such as pumps, motors and fans

2. OPERATING CONDITIONS

- Supply Voltage: HNS311RX Receiver: 230-240Va.c. 50Hz
HNS312TR Transmitter: 3V Lithium Battery
- Operating Temperature: 0 to +50 °C
- Compliance Standard: AS/NZS 3100, AS/NZS 4268 & AS/NZS 61000.6.3
- Maximum Load: 2 x 20A (2 x 4800W)
- Output Type: Switched 230-240Va.c. 50Hz
- Battery Life: up to 5 years

Note: Operation at temperature, voltage or load outside of the specifications may cause permanent damage to the unit.

3. LOAD COMPATIBILITY

LOAD TYPE	LOAD SYMBOL	COMPATIBILITY
LED Lamps		Compatible
Incandescent / 240V Halogen		Compatible
Iron-Core Ballast		Compatible
Electronic Ballast		Compatible
Compact Fluorescent Lamps / Fluoro Tubes		Compatible
Motors / Fans / Wirewound Transformers		Compatible
Heating Elements		Compatible

Note: This manual was correct at the time of manufacture. For the latest version of the manual and any technical or safety updates refer to the website www.sclick.com.au or scan the QR code with a mobile phone.

4. INSTALLATION INSTRUCTIONS

WARNING: The HNS310RK is to be installed as part of a fixed wire electrical installation. By law such installations must be made by an electrical contractor or similarly qualified person.

4.1 WIRING

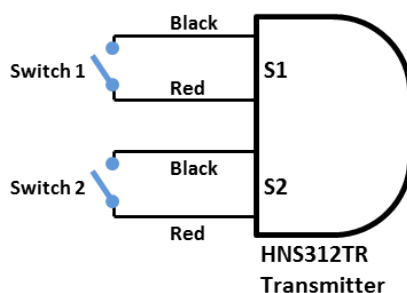
FACTORY PAIRING:

Each HNS310RK is paired at the factory in Dual Switch configuration. No programming is required in most applications. However, either switch can be configured to switch either output if required.

- S1 (Switch 1) on the Transmitter will control L1 (Load 1) on the Receiver
- S2 (Switch 2) on the Transmitter will control L2 (Load 2) on the Receiver
- See section 5.1 and 5.2 for programming options.

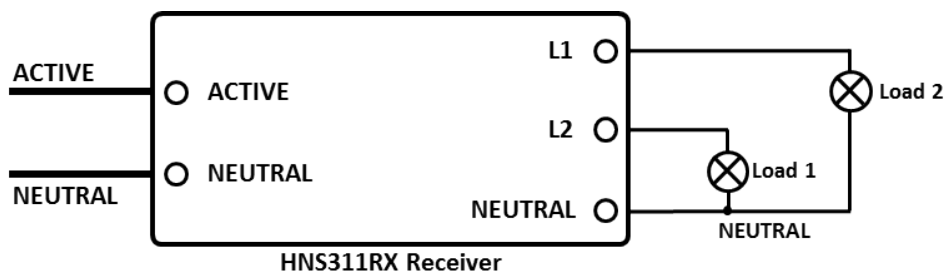
TRANSMITTER

- No mains power required, CR2032 Lithium Battery included.
- Connect switch control inputs as required to the normally open contacts of an on/off switch as shown below.
- Each switch input is 1 Red and 1 Black wire pair, as indicated on the transmitter.



RECEIVER

- Disconnect power at the circuit breaker before any electrical work.
- Install the HNS310RK as per the wiring diagram shown below.



NOTE: The HNS310RK transmitter and receiver use radio waves to communicate. The placement of the transmitter and receiver will have an impact on the distance and performance of the system.

NOTE: Metal objects or surfaces near the transmitter or receiver can affect performance. If either the transmitter or receiver is inside a metal housing or building such as a metal sided and roofed shed performance will be reduced. Place the units closer together, or ensure there is an area with no metal for the signal to pass through.

NOTE: The system will not operate correctly in fully sealed metal buildings such as shipping containers. They act as a Faraday Cage and will block the radio waves.

5. PROGRAMMING INSTRUCTIONS

If re-programming is required, follow the procedures below.

NOTE: Before starting to program the Receiver, make sure it is within easy reach with access to the programming button and you have a clear view of the LEDs indicators. During programming, it is important that no other Transmitters are used while programming as this may cause the Receiver to be programmed with the wrong code.

5.1 SINGLE SWITCH CONFIGURATION

	ACTION	OBSERVE
1	Turn Switch ON	Receiver LED 1 flashes rapidly for 4 seconds.
2	Receiver SYNC button - short press once*	Receiver LED 1 flashes ONCE with a short pause and continually repeats.
3	Turn Switch OFF	Receiver LED 1 flashes for 4 seconds.
4	Receiver SYNC Button – Short Press twice*	Receiver LED 1 flashes TWICE with a short pause and continually repeats
5	Turn Switch ON	Receiver LED 1 flashes rapidly for 4 seconds. Output 1 will turn ON (If no Load attached the click of Relay can be clearly heard). Transmitter and Receiver are now paired.
6	Turn Switch OFF	Receiver LED 1 flashes rapidly for 4 seconds and output 1 will turn off.

5.2 DUAL SWITCH CONFIGURATION

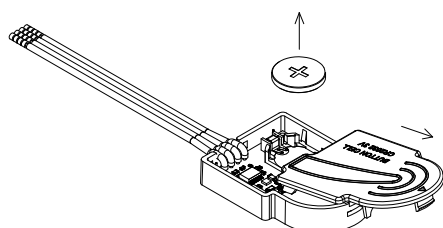
	ACTION	OBSERVE
1	Turn both Switches ON	Receiver LED 1 flashes rapidly for 4 seconds.
2	Receiver SYNC Button – Short Press Once*	Receiver LED 1 flashes ONCE with a short pause and continually repeats.
3	Turn Switch 1 OFF	Receiver LED 1 flashes rapidly for 4 seconds.
4	Receiver SYNC Button – Short Press twice*	Receiver LED 1 flashes TWICE with a short pause and continually repeats.
5	Turn Switch 1 ON	Receiver LED 1 flashes rapidly for 4 seconds. Output 1 will turn ON (If no Load attached the click of Relay can be clearly heard).
6	Receiver SYNC Button – Short Press 4 times*	Receiver LED 1 & LED 2 both flash ONCE with a short pause and continually repeats.
7	Turn Switch 2 OFF	Receiver LED 1 flashes rapidly for 4 seconds.
8	Receiver SYNC Button – Short Press twice*	Receiver LED 1 & LED 2 both flash TWICE with a short pause and continually repeats.
9	Turn Switch 2 ON	Receiver LED 1 flashes rapidly for 4 seconds. Output 2 will turn ON (If no Load attached the click of Relay can be clearly heard). Transmitter and Receiver are now paired.
10	Turn both Switches OFF	Receiver LED 1 flashes rapidly for 4 seconds and both outputs will turn off

***NOTE:** If both LEDs are flashing or Receiver LED 1 is flashing differently than expected, continue to press the programming button until it flashes correctly as in the table above.

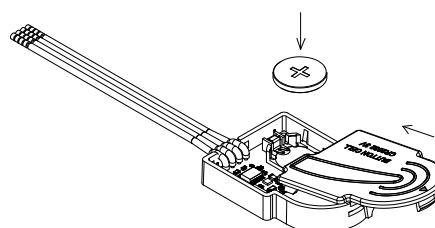
6. TRANSMITTER BATTERY REPLACEMENT

REPLACEMENT BATTERY: CR2032

1. Open cover and remove battery



2. Replace battery and refit cover



7. IMPORTANT SAFETY WARNINGS

7.1 LOAD REPLACEMENT

- It should be assumed that even when OFF, mains voltage will still be present at the load. Mains power should be disconnected at the circuit breaker before replacing any load.

7.2 LOW READING DURING INSULATION BREAKDOWN TEST

- The HNS310RK is a solid state device. Therefore a low reading may be observed when conducting insulation breakdown testing on the circuit.

8. TROUBLESHOOTING

8.1 SWITCHES NO LONGER SWITCH THE LOAD(S)

- Replace the battery. Refer to section 6
- The transmitter and receiver may have become unpaired. Refer to section 5

8.2 SWITCHES DON'T SWITCH THE LOAD(S)

- The transmitter and receiver may be too far away.
- The transmitter and receiver may not be paired. Refer to section 5

8.3 LOAD(S) DO NOT ALWAYS TURN ON

- Interference may be interrupting the system.
- The transmitter and receiver may be too far away.

9. WARRANTY AND DISCLAIMER

Legend Corporation Limited warrants the product against manufacturing and material defect from the date of invoice to the initial purchaser for a period of 12 months. During the warranty period Legend Corporation Limited will replace products that prove to be defective where the product has been correctly installed and maintained and operated within the specifications defined in the product data sheet and where the product is not subject to mechanical damage or chemical attack. The warranty is also conditional on the unit being installed by a licensed electrical contractor. No other warranty is expressed or implied.

Legend Corporation Limited shall not be liable for any direct, indirect, incidental or consequential damages.

Note: This manual was correct at the time of manufacture. For the latest version of the manual and any technical or safety updates refer to the website:- www.sclick.com.au or scan the QR code with a mobile phone.