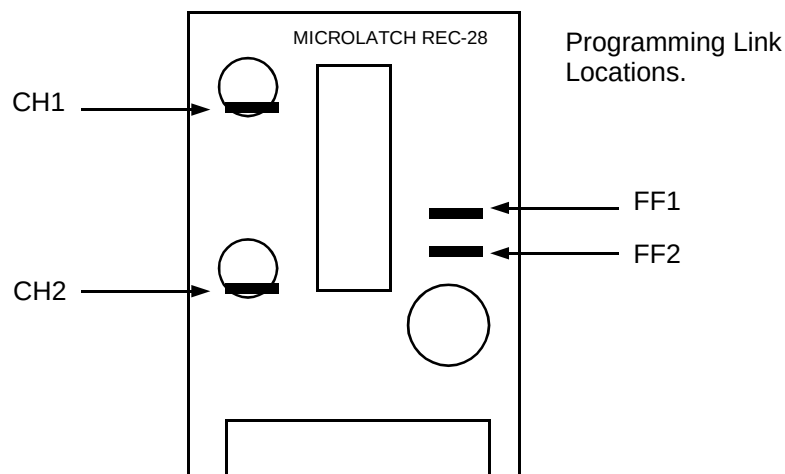


6. After learning transmitters to the receiver briefly press the LEARN BUTTON and the LED will extinguish. The REC-28 is now ready to test. **Note:** The REC-28 will automatically exit learn mode if no RF transmission occurs for 20 seconds.
7. **The keyfob** button 1 (UNLOCK Symbol) will operate relay 1. Button 2 (LOCK Symbol) will operate relay 2. With BIO-13, 14 or 15 an "access granted" signal will operate relay 1. "access denied" will operate relay 2. A low battery signal is supported and will sound the buzzer in the REC-28 for 1 second. A BIOFOB will not activate relay 2 because no "access denied" signal is sent.

Fig 1:



SPECIFICATIONS:

Operating Voltage	9 - 15VDC	Current consumption	Standby 13mA
RF Frequency	433.92Mhz		Max 40mA
Receiver type	Superhet OOK	Relay type	SPDT
Reverse polarity	Diode protected	Relay rating	1Amp@12VDC
Low Battery	piezo buzzer 1 sec	Relay timing	approx 15 secs
Receiver Memory	EEPROM	Memory Capacity	21 devices
Dimensions (case)	70 x 43 x 26mm	Weight	52 grams (1.8oz)

WARRANTY

This product is warranted against defects in materials and workmanship for a period of one (1) year from date of purchase. Warranty is on a return to supplier basis. Microlatch reserves the right to repair or replace a faulty product at its sole discretion. Warranty will not exist in the event of misuse, accidental damage, tampering or repair/modification by persons not authorised by Microlatch.

For a full warranty statement please contact Microlatch Pty Ltd

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REC-28

2 Channel SPDT Relay Receiver



- Compatible with all Microlatch transmitter products
- Small size
- 2 x1 AMP SPDT relays
- Low battery alert
- Plug in wiring harness
- DIN rail option
- Timed, pulse or latching relay outputs
- Code hopping security
- Made in Australia



N14528

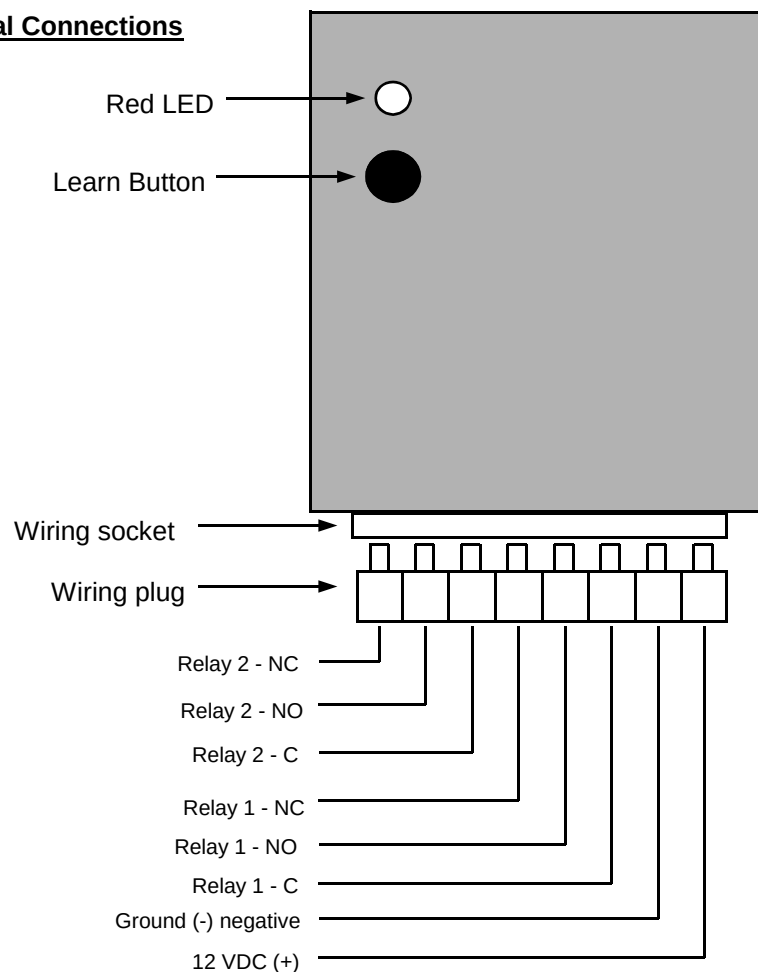
Microlatch™
Your Finger is the Key!

INSTALLATION GUIDE

General

This product is the latest addition to the Microlatch range of wireless products. The REC-28 is a mini version of the REC-18 with altered features. This receiver meets the needs of customers who have limited space to house a receiver and is useful for wireless operation of door locks, alarm panels and garage door motors. The REC-28 uses code hopping technology for high security and is easy to install and set up with a removable high quality plug in wiring connector. The ABS plastic bulkhead case is readily wall mounted and a DIN rail mounting option is also available.

Terminal Connections



Receiver Setup

- Before securing the REC-28 to a wall etc it is important to **set the relay functions**. Each of the two relays can operate as either fixed timed (~15 seconds), momentary pulse (~1 second) or latching (each transmission changes the relay state). The fixed time feature is useful for electric door lock control, the momentary function is most often used with alarm panels and garage doors. The latching function is useful for replacing an on/off switch (low voltage).
- To program the relays **remove the back cover** of the REC-28. This should be done **carefully with a small flat blade screwdriver to avoid breaking the small plastic posts** that secure the cover.
 - On the PCB there are FOUR (4) wire links. CH1, CH2, FF1, FF2. The status (cut or not) of these links determines the operation of the relays. Please refer to the below chart for the required action to achieve the desired relay operation. Refer to **Fig 1** for link locations. (X) is a cut link (-) is an uncut link. For example should you wish to have Relay 1 timed and Relay 2 latch then you would look for this combination in the bottom two rows labelled Relay 1 and Relay 2 and cut links CH2 and FF2.
- Replace rear cover and secure the REC-28 to a wall etc. **DO NOT** mount on a metallic surface as this will severely affect RF range.

CH1	-	X	-	X	X	X	-	X	X
CH2	-	-	X	X	X	X	X	-	X
FF1	-	-	-	-	X	-	-	X	X
FF2	-	-	-	-	-	X	X	-	X
Relay 1	Timed	Pulse	Timed	Pulse	Latch	Pulse	Timed	Latch	Latch
Relay 2	Timed	Timed	Pulse	Pulse	Pulse	Latch	Latch	Timed	Latch

- Complete all wiring to the connector and plug into the socket of the REC-28. Note that the plug will only install one way.
- Apply power (9 - 12VDC). Press and hold the **LEARN BUTTON** and note that the LED will light and then extinguish after 4 seconds. This is the **DELETE function** which erases the EEPROM memory.
- Press the LEARN BUTTON once and note that the LED will commence flashing. You may now learn a keyfob, BIOFOB, BIO-13, BIO-14 or 15 to the receiver by transmitting a Channel 1 signal. The LED will briefly stop flashing when learning the transmitting device. The REC-28 will learn up to 21 devices.