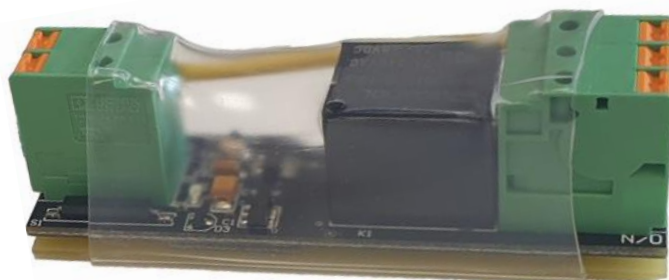


1 Channel Mini Receiver

Features

- 1 Relay Changeover Contacts
- Switches upto 1KW
5A@230Vac
- Range up to 1KM
(Depending on Transmitter)
- Secure data protocol
- Easy pairing
- Compact Size 21x 76mm
- Push Fit Wire Terminals
- Supply 6-24Vdc
- Optional 110-230VAC PSU
Module
- CE compliant

FERRET 6-24Vdc



PSU Module 110-230Vac



Applications

- I/O Telemetry devices
- Remote switching
- Remote lights

Description

The FERRET modules provide an easy "plug and Play" Remote Control Receiver for many applications. The relay output provides Changeover contacts rated 12A peak / 5A continuous at 230Vac.

The FERRET Receiver operates from a 6-24Vdc and all connections are via easy screwless terminals.

Ferret is compatible with many RF Solutions Transmitters and can be combined together to provide a remote control.

The PSU module provides a 110-230Vac input with 12V output which can be used as a power supply for the Ferret Receiver module.

Please note this product is **for Professional Use Only**.

Ordering Information

6-12V Version



Part No	Description
FERRET-4R1	Receiver module 6-24V version 433MHz
FERRET-8R1	Receiver module 6-24V version 868MHz
FERRET-9R1	Receiver module 12V version 918MHz

110—230Vac Power Supply Module



Part No	Description
FERRET-PSU	110—230Vac to 5V Power Supply for FERRET RX

Intended Use

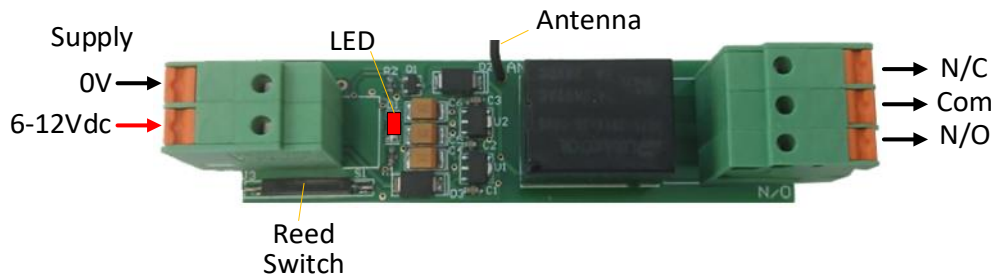
Ferret Receiver intended use is to provide a switching Changeover contact to control an appliance via RF control. The essential performance of the Ferret Receiver is to receive signals from an RF Transmitter for control of the Load circuit.



Safety Warning using 110—230Vac Version

- Installation Failure to follow the instructions may result in risk of injury to persons or property.
- Personnel installing and maintaining this equipment must be qualified Electricians with appropriate knowledge and experience who can identify and prevent Electrical hazards.
- Product is not independently isolated, ISOLATE the mains electricity supply before connecting and observe any relevant safety precautions. Product must be connected to a switch fused (spur/supply) or BS 1363 Plug. It is recommended a single Fuse Spur is used to supply the FERRET and Load jointly so that they are isolated together.
- When Used to switch mains voltage Loads ensure the circuitry is suitable protected to prevent electric shock.

Connections



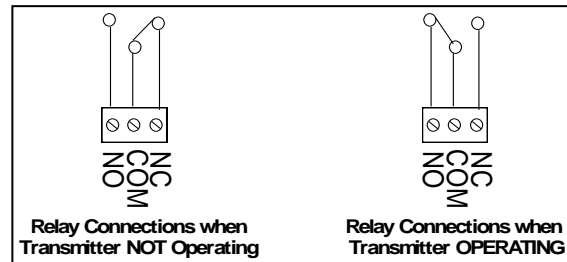
Connecting the Relay Output

This receiver provides a changeover relay switch each capable of switching up to 1.2KW (5A @ 230V). The output relay provides an isolated switch. Connections are Common (COM), Normally Open (NO) and Normally Closed (NC).

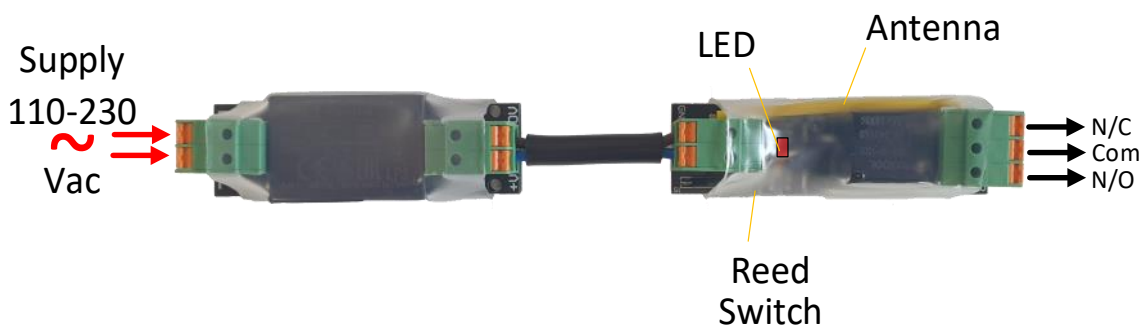
Relay Operation:

Momentary: The Relay output will be active for as long as the user holds the Transmitter switch.

Latching: The Receiver output will change State each time the Transmitter switch is pressed.



Connecting the 110-230Vac PSU



Getting Started

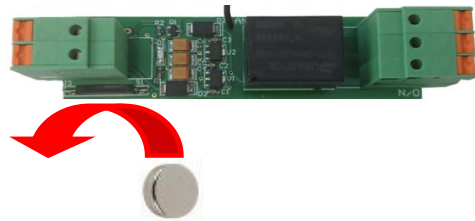
1. Connect power
2. Connect your load to the Relay output
3. Pair a Transmitter Switch (max pairings =30 Transmitters)
4. Set the output to Latch / Momentary

LED Operation

The Receiver LED will illuminate when any valid RF signal is present, and when the reed switch is being activated by a magnet. +

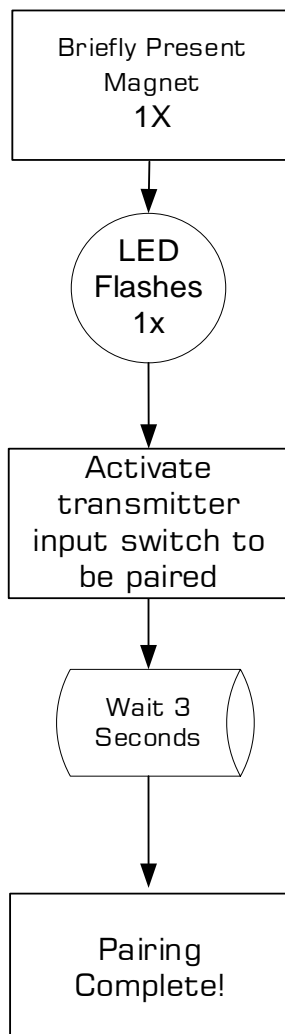
Pairing and Configuring

A magnet is used to perform these functions. Swipe or briefly present and remove the magnet near to the Reed switch.



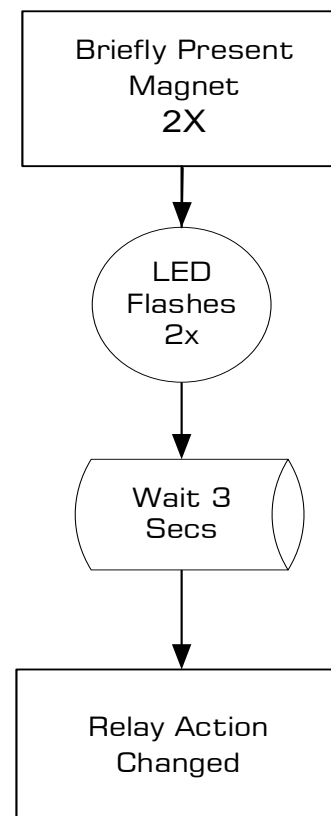
Pairing a Transmitter

Pair a Transmitter Switch to Ferret

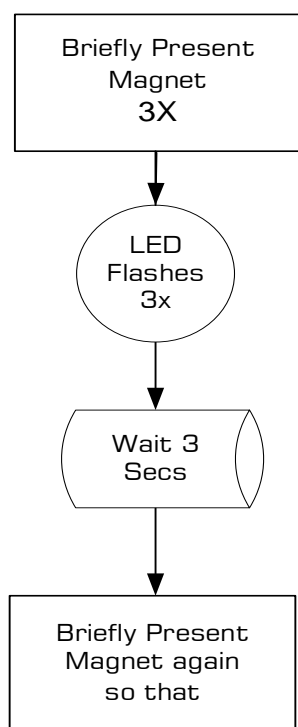


Change the Relay Action Momentary / Latching

Each time This process is completed the Relay operation is changed (Mom Latch)

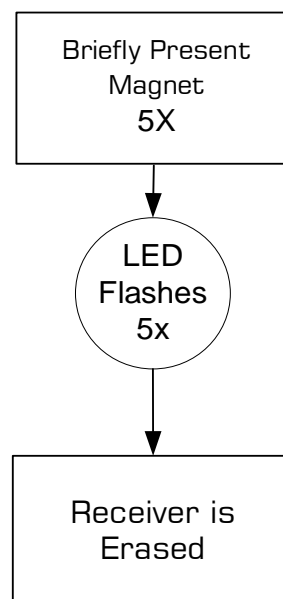


Send a LEARN Signal (for use with RioT Remote)



Erase all Transmitters

Erases all Transmitters from Receiver



Technical specifications

Operating Temperature: -10 to +55° Celsius.

IP Rating N/A the module is supplied within heat shrink for electrical insulation only this provides no water or dust ingress protection.

Electrical Characteristics	MIN	Typical	MAX	Dimension
Supply Voltage for Low Voltage version	6		27	Vdc
Supply Voltage for High Voltage Module	110		240	Vac
Relay Rating		4*	12	A
Supply Current : Quiescent Relays operating		20 45		mA
Time from Tx On to Rx Relay On		25		mS
Time from Tx Off to Rx Relay Off		25		mS

* Relay is capable of 5A continuous into a Resistive Load.

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