

Secure-a-Link

WLR121KIT

The Secure-a-Link system consists of two identical transceiver units, which are paired together, each requiring a local 12Vdc power supply (max 150mA each).

The wireless relay units will transmit up to a maximum 125m range with clear line of sight and tested up to 25m indoors.

Please Note: The range and performance of any wireless product depends on the structure and environment in which it operates - **For best results mount away from metal objects.**

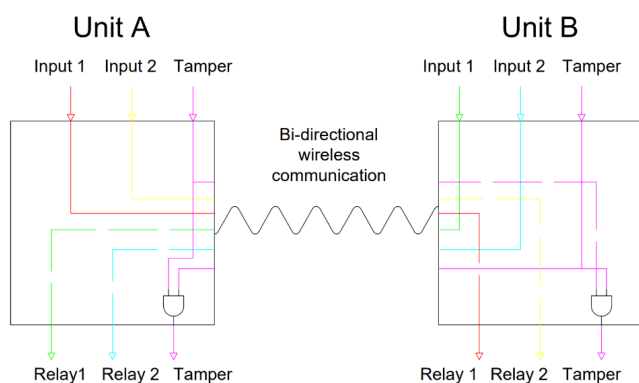
The system is designed to take a volt free input and transmit this wirelessly to a second point, giving a relay output, without the need for hardwiring between the two points.

Two-way communication between the units is provided so that signals can be sent in either or both directions and once paired, the units only communicate within their pair, so multiple pairs of units can be used within the same area without interference.

Each of the units has two-volt free inputs that trigger two relay outputs on the unit it is paired with. Each unit also has a NC tamper output with goes open when either unit is in tamper.

The inputs can be configured to normally open or normally closed. The outputs can either latch, following the state of the input, or commute, switching every time there is a momentary input.

The operation of the wireless relay units is illustrated below:



The Wireless Relay system has many applications where short range transmission of simple switches is required, for example, PA buttons, door contacts, remote sounders, lighting, door locking etc. The units are supplied in doublegang plastic plates.

Dimensions (mm)



Features and Benefits

- Two way communication
- Up to 125m range with clear line of sight
- Tested to 25m indoors
- Latching or commutating
- Two operational modes
- Tamper switch and fault output
- Status LED
- Signal strength test
- Operates on ISM bands

Specification	WLR121KIT
Supply Voltage	12Vdc
Current draw	Up to 150mA, 20mA quiescent
Indications	Status LED indicates active communication
Inputs	2 NO or NC inputs
Outputs	2 single pole 2A relays
Tamper	NC output up to 500mA
ISM Band	868MHz
Dimensions	147 x 90 x 47mm
Range	Up to 125m with clear line of sight
Approvals	UKCA and CE marked, ROHS compliant Manufactured in the UK

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Example Applications

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