

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 transmits up to a maximum 125 meters with line-of-sight however environmental factors can greatly reduce this distance.

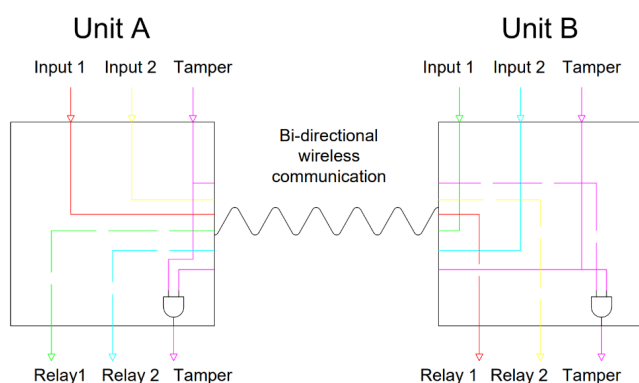
The system is designed to take a volt free input and transmit this wirelessly to a second point, giving a relay output, without the need for hardwiring between the two points.

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.

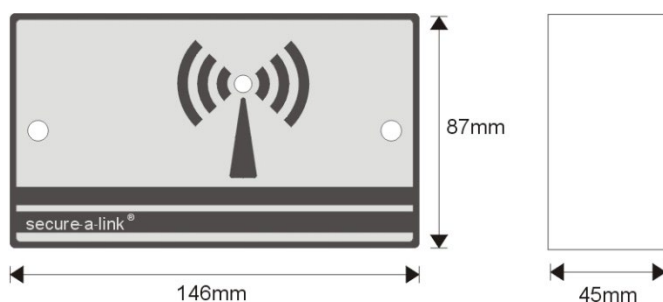
The inputs can be configured to normally open or normally closed. The outputs can either latch, following the state of the input, or commutate, switching everything there is a momentary input.

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 double gang plastic plates.

Dimensions (mm)



Features and Benefits

- Two way communication
- Up to 125m range with line of sight
- Latching or commutating
- Two operational modes
- Tamper switch and fault output
- Status LED
- Signal strength test
- Operates on ISM bands
- Updated version November 2022

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
Dimensions	146 x 87 x 45mm
Range	Up to 125m with line of sight
Approvals	UKCA and CE marked, ROHS compliant

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Example Applications

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