



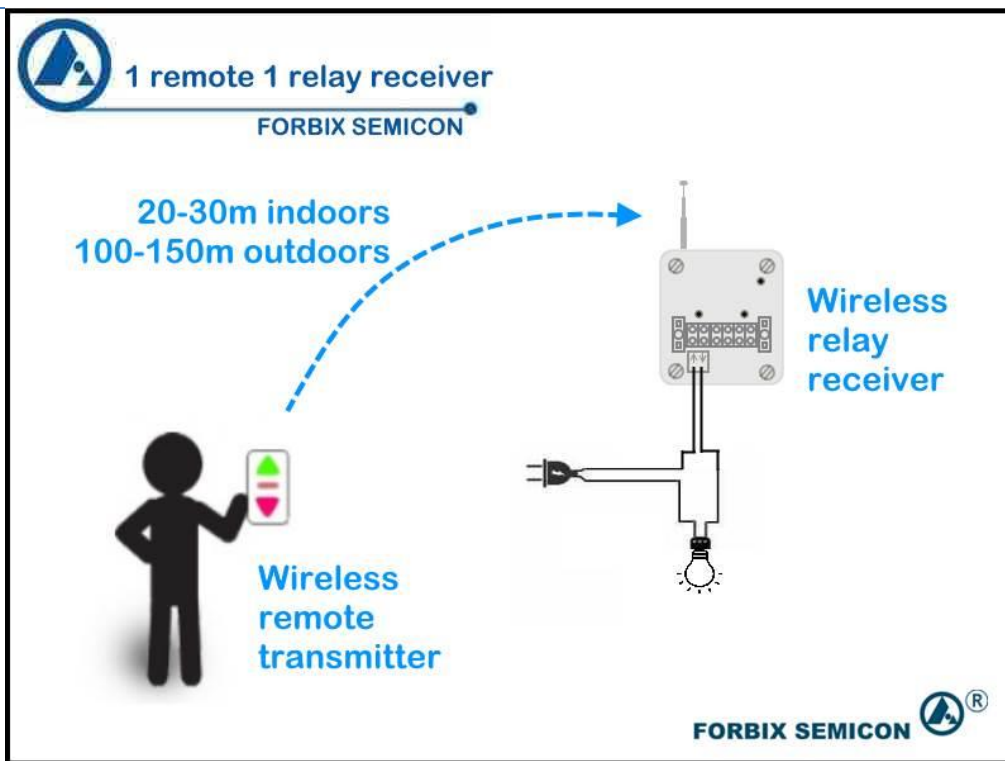
1 channel wireless RF transmitter and receiver (with 1 port relay)

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- 5xx series transmitter receiver solutions
- RF Signal range 100-150m (in open line of sight)
- Remote control transmitter (battery operated)
- Potential free 5Amp relay at the receiver terminals (customized models with 30Amp relay)
- Remote control and receiver in WHITE color plastic enclosure
- 12VDC operating voltage (customized models with 12-24VDC operating voltage)
- Additional antenna at the receiver to enhance the range of communication



### Wiring

- DC jack connector to a 12VDC supply
- Though wire connection with AC/DC load on the relay port connectors.

### Port connections:

- NC – Normally Close point connector
- COM – Common point connector
- NO – Normally Open point connector

### Application and features:

- Machine to machine communication
- Panic alarm in buildings (in case of emergency)
- Alarm displays for security / gated community

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### Features:

- Remote controller in white plastic enclosure
- Top button of remote: Relay ON (latch mode)
- Center button: Relay momentarily ON
- Bottom button: Relay OFF (latch mode)
- 1-port receiver unit (in white plastic enclosure)
- 1 indicator GREEN light for power indication
- 1 indicator BLUE SYNC light to check signal reception
- 1 indicator RED light for relay status (ON/OFF)
- Keyholes on the receiver enclosure to hang on the wall
- Relay driving capacity 5Amps (customized designs with 30Amps relay connectors), at 220VAC(max) / 28VDC(max)

### Technical details:

- Remote Transmitter PA : +10dbm
- Receiver sensitivity: -112dbm
- Operating frequency: 315 – 480 MHz
- System works on signal hop mechanism. Reception happens at more than 12-15 predefined frequencies
- Modulation type: GFSK
- Radio IC: CC1100 (Chipcon/TI) and equivalents in sub-GHz freq.
- Data packet error correction mechanism: FEC

[Remote details available on FBX521 specification document]