



4 channel wireless RF transmitter and receiver for digital signals.

- 5xx series transmitter receiver solutions
- RF Signal range 100-150m (in open line of sight)
- Digital loopback signals at the input of transmitter
- Potential free 5Amp relay output at the receiver terminals
- Transmitter and receiver in IP65 ABS plastic enclosure box

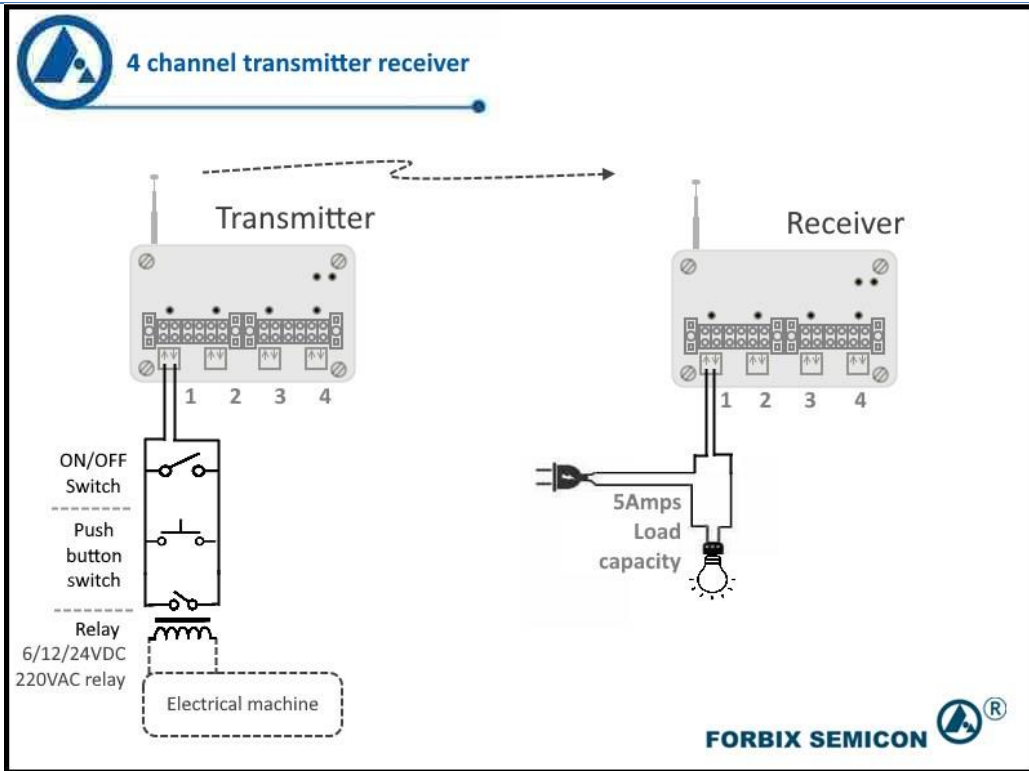
FORBIX SEMICON INDIA PVT. LTD.
Bangalore, India
Website: <https://www.forbixindia.com>
+91 9742159846 / +91 9742370190

FORBIX Osäühing,
Tallinn, Estonia
Website: <https://www.forbix.eu>
+372 586 07 111

Email: sales@forbixindia.com



Technical specification



Wiring

- DC jack connector to a 12VDC supply
- Loopback digital signals from external devices (from a potential free contact point)

Signal reception:

Pressing alarm button on transmitter turns ON the alarm siren. Releasing the alarm button, turns OFF the alarm siren

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:

- 4-port transmitter unit (in IP65 ABS plastic enclosure)
- 1 indicator GREEN light for power indication
- 1 indicator BLUE SYNC light to check signal reception
- 1 indicator RED light for corresponding active inputs
- Loop back signal, 1 for each channel input
- RED light glows high when a particular input is logic HIGH
- This signals once looped back from an external device or relay contact point

- 4-port receiver unit (in IP65 ABS plastic enclosure)

- 1 indicator GREEN light for power indication
- 1 indicator BLUE SYNC light to check signal reception
- 1 indicator RED light for corresponding relay output
- Relay driving capacity 5Amps

Technical details:

- 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

