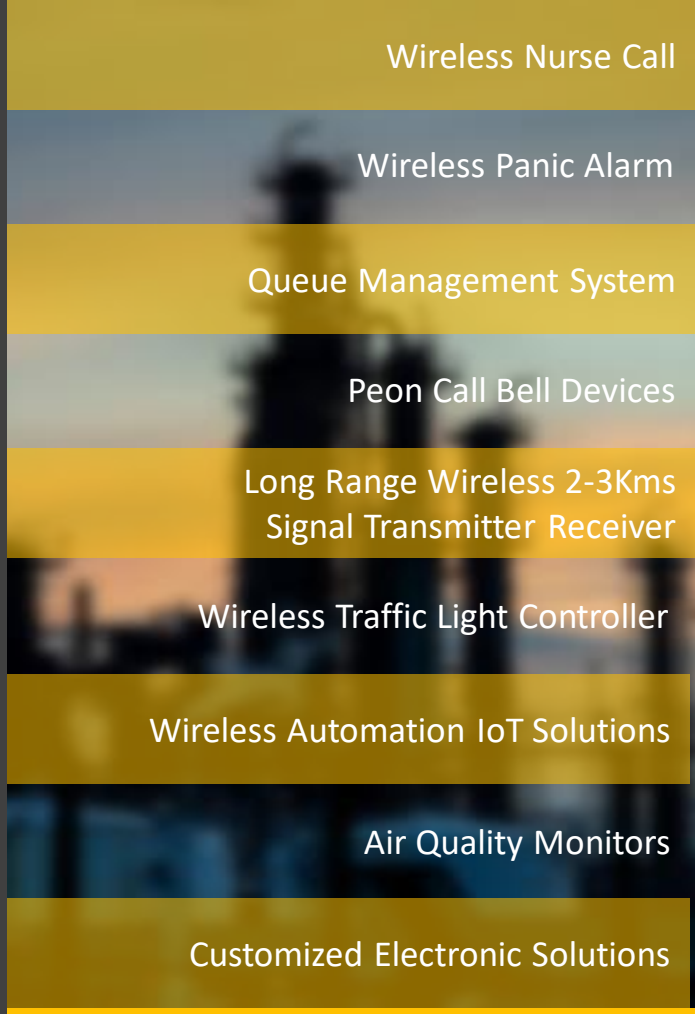
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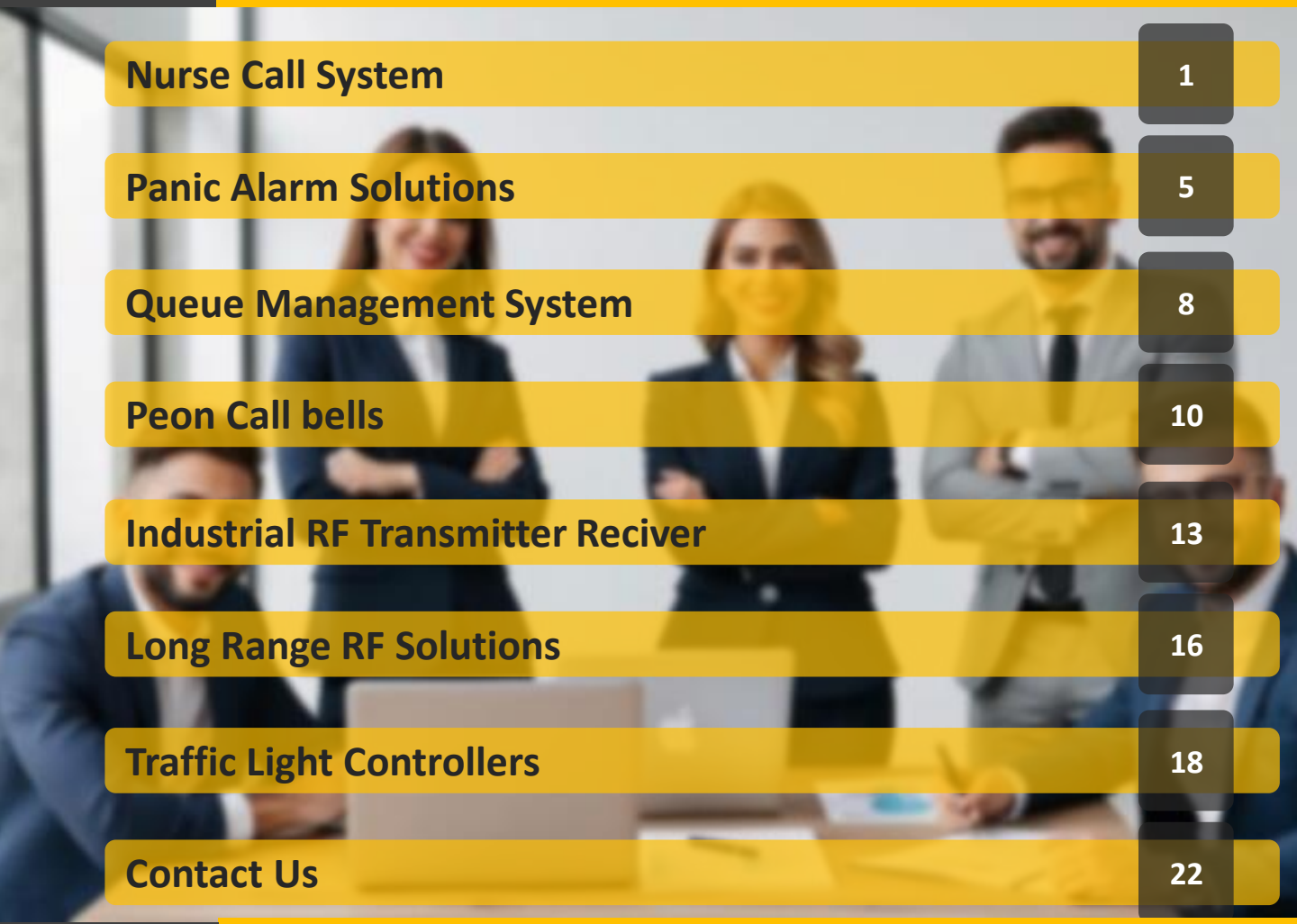
Electronic Product and Wireless Automation Company

Product Brochure, 2024

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FORBIX SEMICON

Wireless Nurse Call System



Applications:

- Nurse Call in Hospitals
- Calling home care attendants
- Patient care at dispensaries
- Summon duty doctors in emergency

Device Components:

- RF remote control to call nurse
- LCD monitor nurse station
- Pull chords for beds and washrooms
- Door module indicator and corridor indicators to alert duty attendants
- Customized displays, LCD monitors, 7-segments and LED indicators

Key Features:

- Complete Wireless Plug-n-Play Solution
- Needs No Wiring, No Installation, No future maintenance
- Various different models of Nurse Station with 24x7 data loggers
- Expandable signal range, possible to cover the complete building with signal boosters
- Scalable from few beds to many

Solution1:

Nurse call station receiver display with LCD VGA monitor. Specific models have inbuilt 24×7 data logger, RTC and WiFi connectivity



Theme 1:

Dynamic Display



Theme 2:

Popping Display



Theme 3:

Fixed Display



Solution2:

Remotes and LED indicator receiver



Solution3:

Remotes and LED indicator receiver



Solution4:

Remotes and TFT display receiver



Solution5:

Remotes and handheld receiver



Wireless RF 3 buttons remote controller

Top button (ON) => send ON/CALL signal to the receiver
Bottom button (OFF) => send OFF/CANCEL signal
Center button, function of which can be altered as per application
30-40 meters indoors (depending on environmental condition)
100-150 meters outdoors (in open line of sight)



Pull chord button

Pull string to CALL (in emergency)
Red button to make call (alternative push button arrangement)
Yellow button on the side top to CANCEL the ongoing call
30-40 meters indoors (depending on environmental condition)
100-150 meters outdoors (in open line of sight)



Repeater Signal Booster

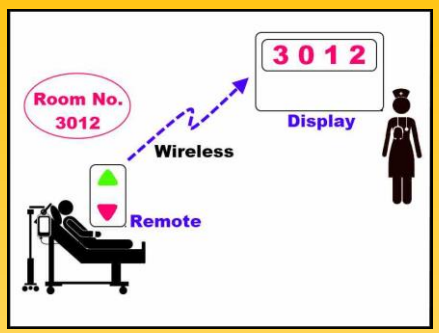
Retransmits remote controller signals
Forward the signal in air by increasing the SNR (signal to noise ratio), thereby increasing the range of communication
Increases the link budget by a factor of +125 dbm

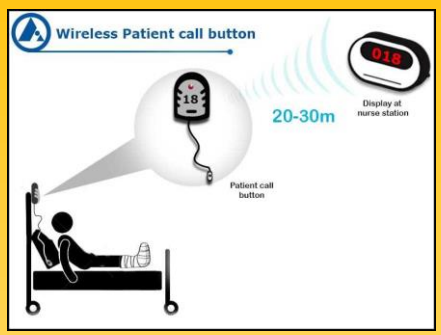


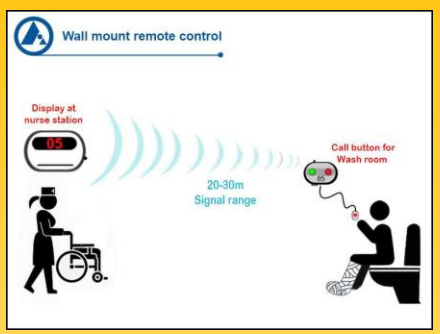
Door Indicator Module

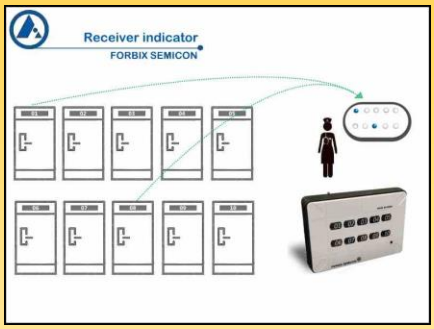
Door indicator RED lights on either side
Summons hospital staff and attendants with light indicator
Buzzer sound to alert attendant in corridors
Device needs to be mounted on the wall next to the door entrance
Starts buzzing and indicating on press of CALL button
Stops the indicator on press of CANCEL button

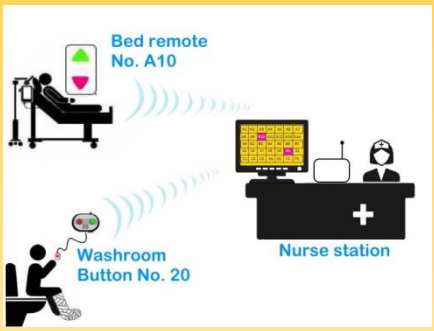
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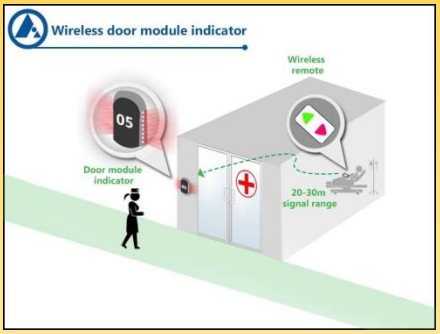


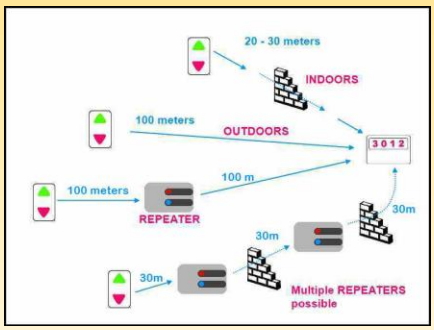


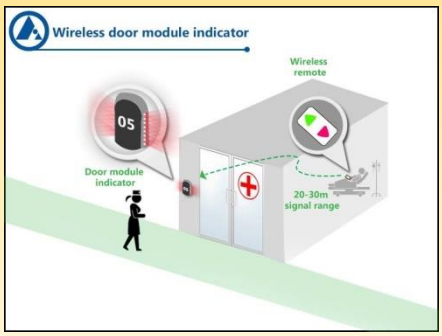


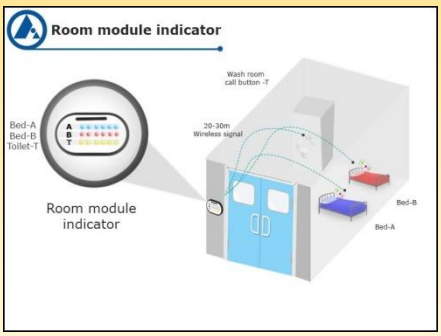


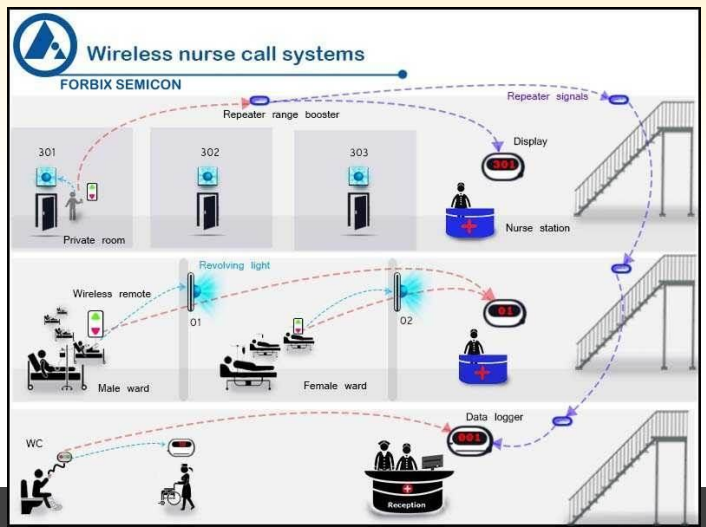


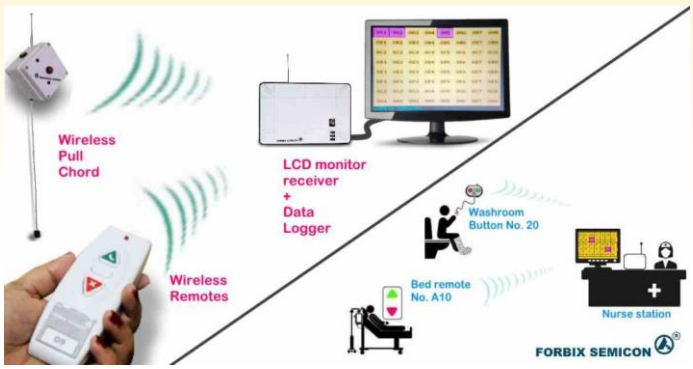












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Wireless Panic Alarm Solutions



Applications:

- Panic Alarm in factories
- Emergency alerts at guard post
- Alarm Siren trigger at airports
- Wireless Security solutions in offices and industries
- Alerting systems for banks, residential apartments, houses, and even commercial buildings

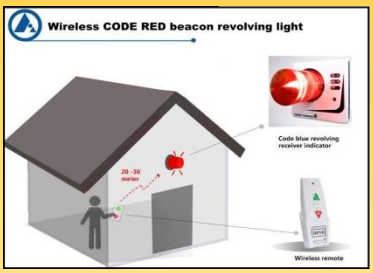
Key Features:

- Wireless RF signal communication eliminates the need for wiring and installation.
- Handheld SoS remotes and wall-mounted panic buttons offer easy access
- A wide range of customized receivers is available, including sirens, alarms, Code RED and Code BLUE beacon lights, digital displays, and more.
- Signal boosters and repeaters enhance communication range effectively.

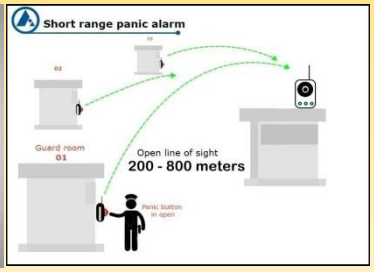




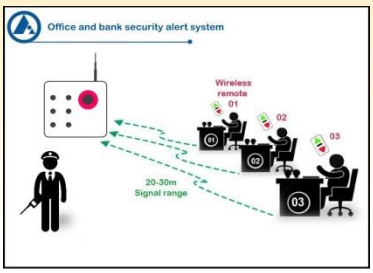




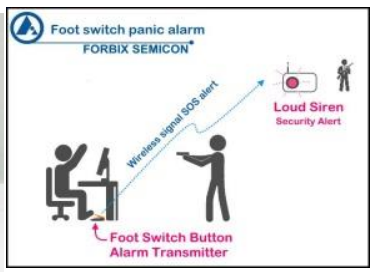














Panic Alarm System:

Wireless RF technology
No need of wiring, installation or maintenance
Signal range 30-40 meters indoors and over 100 meters outdoors

Programmable for over 250 panic buttons per receiver

Broadcast, Multicast and Unicast set configuration









Panic Button Transmitters





Indicators Siren Alarm Receivers



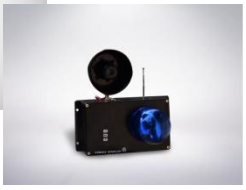
















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Queue Management System



Applications:

- Streamline patient flow in clinics, hospitals, and diagnostic centers
- Organize customer service queues, in banks, passport office, municipal service stations, government and public offices
- Passenger flow management airport, trains station ticket counters

Key Features:

Wireless RF Token display on LCD monitor

Remote Control operated token calling mechanism

Token Dispensing Machines for printing up to 6 individual token numbers



Queue Management System



Token Printer Dispenser



Token Displays

FORBIX SEMICON

Wireless Peon Call Bells



Applications:

- Summon peons or office assistants to specific rooms
- Restaurant and Café waiter call bell device
- Call Bellboy in hotels, spa resorts and guest houses
- Alert attendants in hospitals and dispensaries
- Elderly healthcare nurse call at home

Key Features:

- Wireless RF Remote Controller to CALL the attendant
- Indicator Receiver to alert the person on duty
- 30-40 meters indoors and over 100 meters outdoors
- Signal range enhancement with repeater / booster devices

Attendant Calling System







2 to 6 remote call bell devices







7 to 9 remote call bell devices

Attendant Calling System

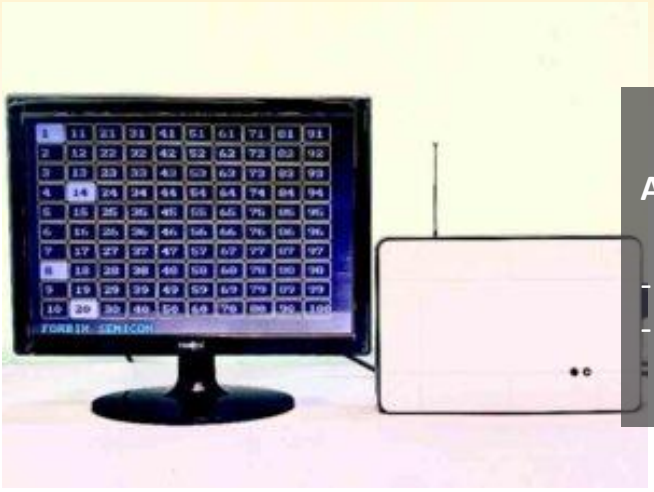




Multiple indicators

Remotes on table / officer's cabin / guest room

Receiver (customized) with multiple indicators
- Calling steward / attendant
- Alerting hotel staff / guest house peon
- Call for pay check payment / complaints



Alert display on LCD monitor screen

- Configurable for 100 call buttons
- Calling rooms are highlighted on screen

FORBIX SEMICON

Wireless Transmitter and Receiver for Industrial Automation



Applications:

- Wireless communication between sensors and control systems in manufacturing plants
- Remote Control gate open / close, Conveyor start / stop, Overhead cranes maneuvering
- PLC connected to wireless RF transmitter for machine to machine M2M communication
- Improve logistics and inventory management by wirelessly connecting automated machines

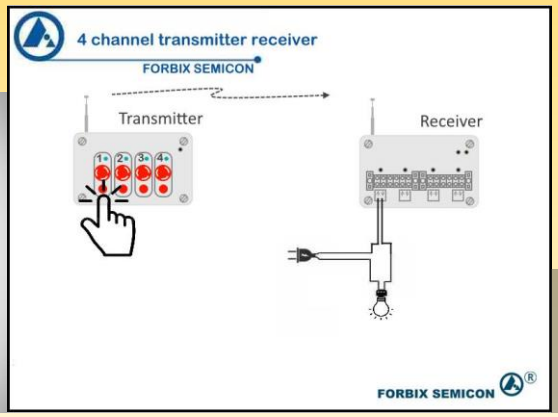
Key Features:

- 1 – 4 button manual button press transmitters to trigger corresponding relay receivers
- Unicast (1-to-1), Multicast (grouped) and Broadcast (1-to-many), sort of communication link
- Customized designs incorporating RF communication channel, LCD monitor VGA displays, sirens, alerting beacon lights, potential free contact relay receiver and many more….



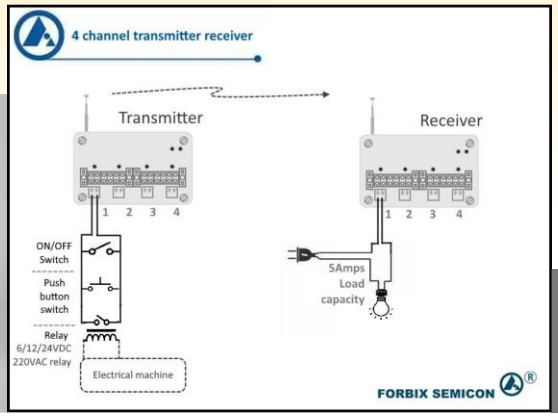
Wireless Transmitter Receiver





4-Channel MANUAL Transmitter Receiver



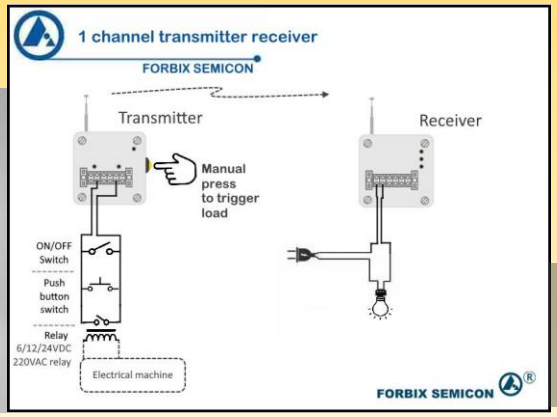


4-Channel AUTOMATIC Transmitter Receiver

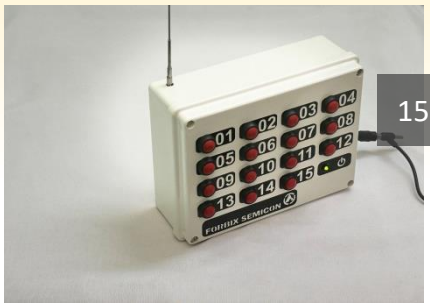


Wireless Transmitter Receiver





1-Channel AUTOMATIC Transmitter Receiver



15-Channel Button Transmitter



8-Channel Button Transmitter

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Wireless RF Long Range 3-4Kms Solutions



Applications:

- Panic alarm alerts for defence areas, farm houses , factories, industries and oil fields
- Enabling remote monitoring and control of energy infrastructure such as pipelines, power grids, and wind farms
- Disaster Management and Alert for rural and urban population

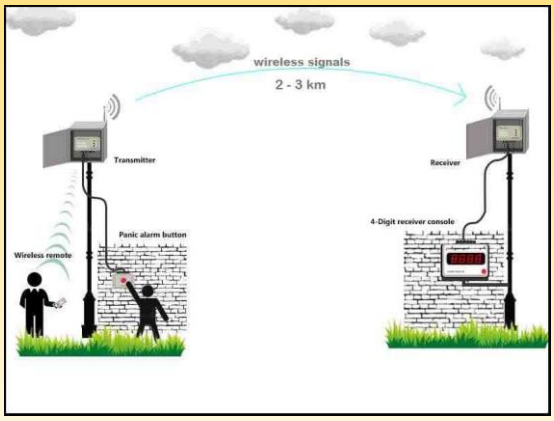
Key Features:

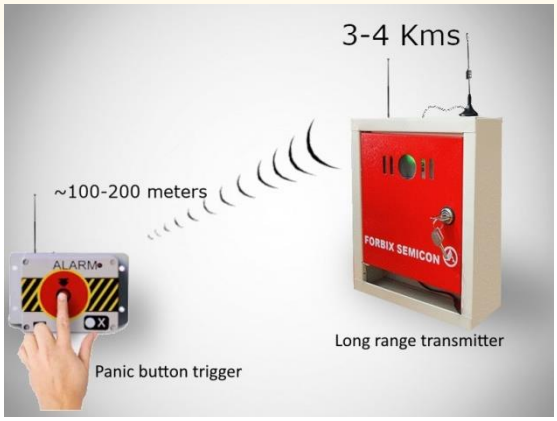
- Signal ranges from 3-4Kms in urban city areas
- Transmitter in the form of remote controllers and stand alone wall mount transmitting stations
- Receivers can connect to sirens, alarms, displays, indicators, beacon lights, potential free relays and other electrical circuits

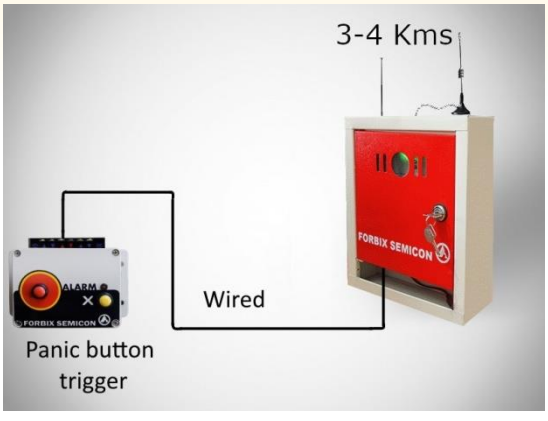


Wireless RF Long Range Solutions



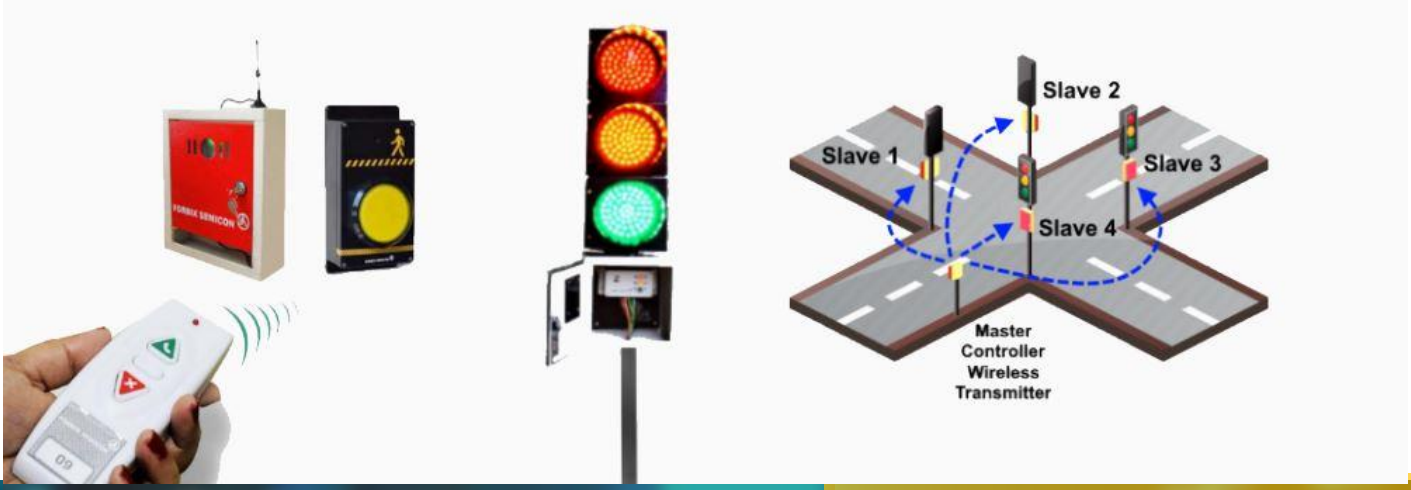






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Wireless Traffic Light Controllers



Applications:

- Pedestrian Traffic Light Control at airports, commercial buildings, public gatherings and shopping complexes
- Remote Control Traffic Light Control to maneuver vehicle movements in factories and warehouses for material pickup and drops at bays
- Fully customized and automated traffic light controllers at road junctions with preprogrammed road open / closed timings patterns

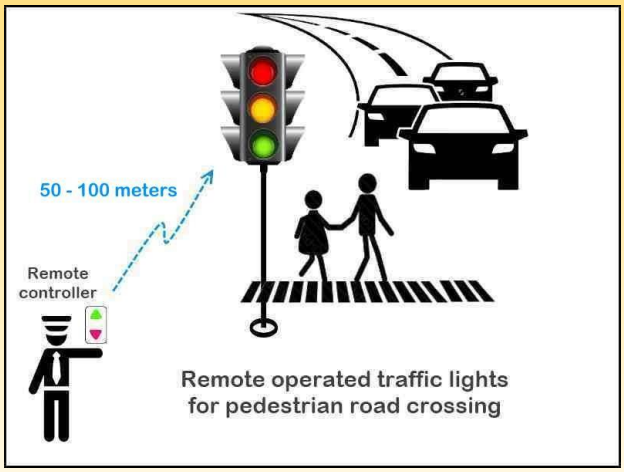
Key Features:

- Remote Controller to trigger the receiver lights in manual / automatic manner
- Inbuilt RTC (Real Time Clock) to synchronize the road lights
- Automatic timing based and manual override of traffic control along with preprogramed pedestrian cross timings

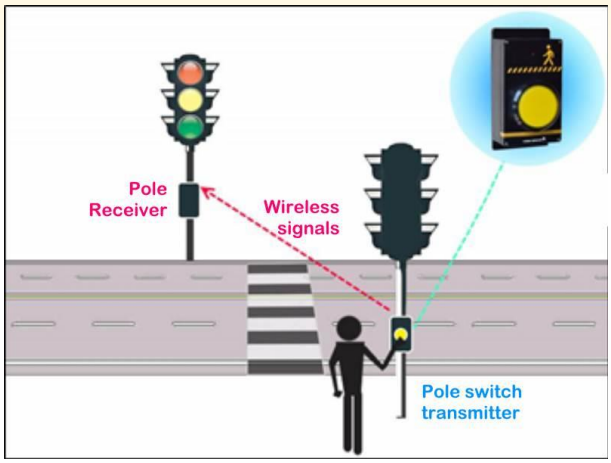


Wireless Traffic Light Controllers





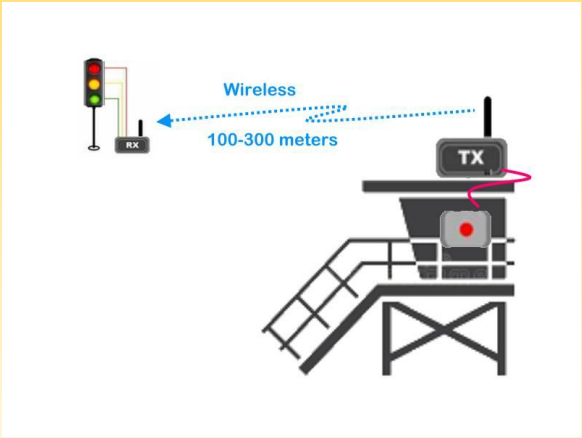




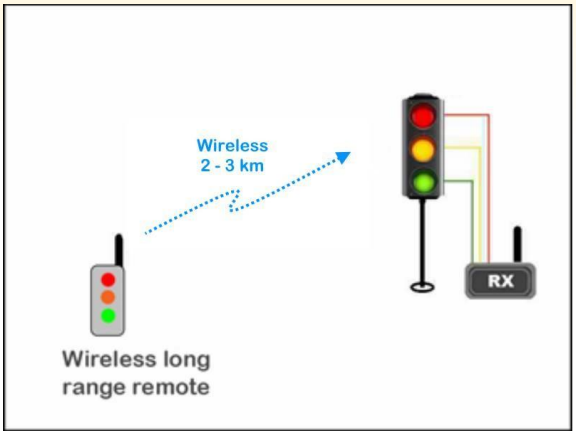


Wireless Traffic Light Controllers



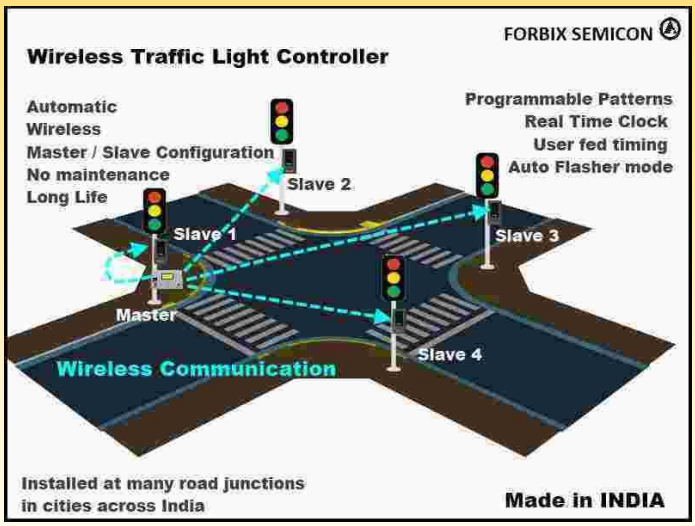


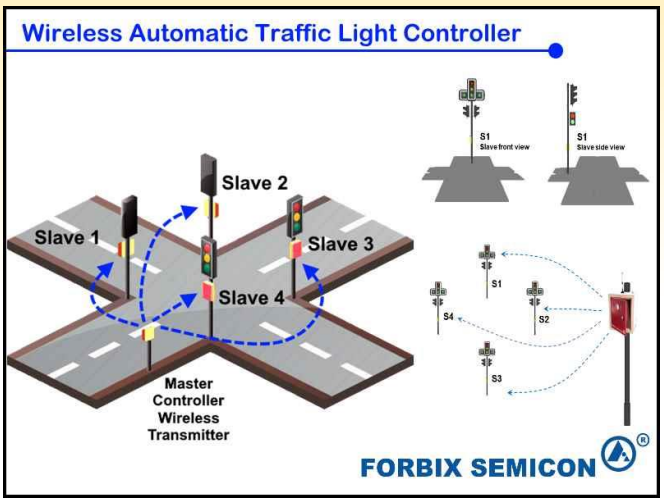






Wireless Traffic Light Controllers





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