

Professional Diploma in Home Security system & Automation

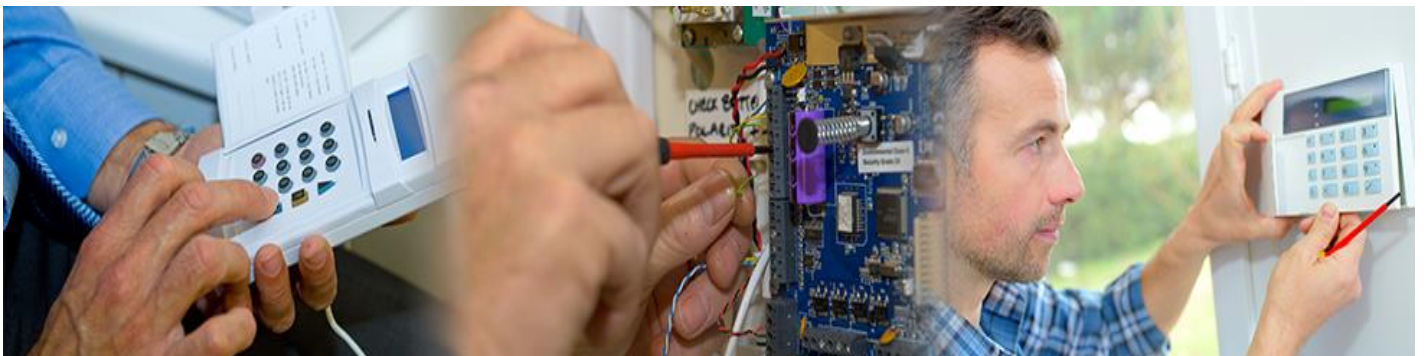
Looking to the increasing rate in crime , In Todays world it is necessary that every people must have to think for Home Security system , A security alarm is a system designed to detect intrusion – unauthorized entry – into a Bungalow , Apartment House or Business area. Security alarms are used in residential, commercial, industrial, and military properties for protection against burglary (theft) or property damage, as well as personal protection against intruders.

Some alarm systems serve a single purpose of burglary protection; combination systems provide both fire and intrusion protection. Intrusion alarm systems may also be combined with closed-circuit television surveillance (CCTV) systems to automatically record the activities of intruders, and may interface to access control systems for electrically locked doors. Systems range from small, self-contained noisemakers, to complicated, multi-area systems with computer monitoring and control. It may even include two-way voice which allows communication between the panel and Monitoring station.

A wireless security system is like having an automated security guard at your home. ... The wireless security system's sensors are devices that you put around your home that will alert the Control Panel if a door or window is opened, if a motion sensor is triggered, or if one of your monitored smoke detectors goes off.

Type of Course :- Class Room & Online Training.

Duration :- 1 Month



Certified Course of Home Security System [Burglar and Intruder Alarm]

Module 1 :- Introduction to Burglar and Intruder Alarm

- Basic components used in an Burglar & Intruder Alarm system
- Wiring different types of detectors
- Wireless Detectors
- Using alarm different types of intruder alarm panels

Module 2 :-Wired System circuitry and intruder alarm

- Electrical and electronic in intruder alarm
- Ohms law and alarm circuitry
- Practical wiring of different types of detectors using EOL and double pole techniques
- Wiring double pole and end of line circuits using different resistor values
- Wiring SAB (Self-activating bell), keypad and other output circuits

Module 3 :- Wireless Intruder alarm system designing

- Designing an intruder alarm system for small and medium size businesses and domestic market
- Different grades in intruder alarm system and wiring differences
- Calculating battery size in accordance with British standard



Module 4 :-Practical of an Intruder alarm system

- Wiring an intruder alarm panel with detectors using multiple techniques
- Wireless Technology of Intruder Alarm System.
- Zoning an intruder alarm system
- Connecting the panel with telephone lines for remote signaling
- Alarm receiving centre (ARC)
- GSM Mobile Software installation

Module 5 :- Inspection testing and commissioning of an intruder alarm system

- Testing all cables for correct resistance level
- Checking detector voltage
- Calculating total current load
- Testing outputs
- Performing walk tests, output tests, and user training
- Installers responsibilities and maintenance
- Completing all required paper works