

Smart Alarm's Superior Controller

The Superior controller is a totally unique, high-quality, European product which offers maximum safety and controls all aspects of security such as intruder detection, fire detection, access control, time and attendance, and mains power monitoring.

Many intruder detection systems are available in Thailand but none are able to match the specifications of the Superior. These other products are intended as basic alarm systems to be used throughout the world in general and that's all they will do, but the Superior has been designed to solve specific problems here in Thailand. For other systems to carry out the same tasks performed by the Superior, many different products would have to be integrated together, which is not easy to achieve and also makes it an expensive commodity. This puts the Superior ahead of the competition in every way, making it an affordable and convenient solution to every security need.

The Superior can make extremely good use of the modern bus system which drastically reduces the amount of wiring and disruption caused to buildings, so reducing the expenditure for labour, cables and conduits. This allows the installation to be completed more easily and in much less time than using conventional wiring, making it the most cost-effective solution.



These are the main features of the control unit: -

- ◆ LCD panel
- ◆ Control keypad
- ◆ Panic buttons
- ◆ Indoor burglar alarm with motion sensors and magnetic contacts
- ◆ Outdoor perimeter pre-alarm with infrared beam walls
- ◆ Remote Control
- ◆ Fire and smoke alarm
- ◆ Access control of gates and doors with electronic keys
- ◆ Time and attendance
- ◆ Automatic re-arming after staff have carried out their duties
- ◆ Electricity mains power monitoring, protection and warning system
- ◆ Control of warning and emergency internal and external lights
- ◆ No false alarms

All alerts are logged in a journal for future reference, and if the property is situated in a guarded location, these alerts can be sent to the guardroom for action to be taken by the guard on duty.

Summary of the main features

LCD panel

The LCD screen shows:

- ◆ Time
- ◆ Date
- ◆ Alarm status (OFF, AWAY, STAY)
- ◆ Timeout time for staff after a successful disarming by a proximity key
- ◆ Temperature inside the unit

If an alarm is triggered the LCD shows another screen which displays the reason(s) for the alarm being triggered.

The LCD panel is also used to set the parameters for all the available functions, such as setting up user Ids, time zones, sirens/lights duration, etc.

Control keypad

- ◆ ARM / DISARM (code can be changed)
- ◆ STAY/AWAY (code cannot be changed and works only when system is disarmed)
- ◆ Arm by Staff
- ◆ Stop beeping sound after alarm
- ◆ Initialise LCD
- ◆ Reset Timeout during maintenance periods by pressing any key
- ◆ Control all maintenance functions and settings

Panic buttons

Wired or wireless panic/medical buttons can be connected and will trigger all sirens and send an SMS to 4 numbers when pressed. A personal message can be entered in the system.

Remote Control

The 4-button remote control key fob can be used to arm the system in "Away" and "Stay" modes, disarm the unit, or activate the Panic function.

Indoor burglar alarm

All the usual burglar alarm sensors, i.e. wired or wireless PIR sensors and Microwave sensors, can be connected to the Superior in any of the 16 alarm zones available. In addition, more sensors can be used to protect individual valuable items such as computers, televisions, paintings, etc. Any attempt to steal them will activate all indoor/outdoor sirens and warns the owner by SMS.

Outdoor perimeter pre-alarm with infrared beam walls

Infrared beams making up a perimeter wall are interrupted when an intruder passes between the sensors. The Superior controls all the beams in these perimeter walls and can even control the strength of each beam. When a beam has been broken, the control unit uses its sophisticated software to determine if an intruder has been detected or if an animal has broken the beams. In the case of a genuine alert, the owner can be warned before the intruder is inside the house or has broken doors or windows.

Fire and smoke alarm

Wired and wireless smoke detectors can be connected to the control unit. A smoke detector normally sounds its own internal alarm but when connected to the controller all sirens, and lights if necessary, can be activated. This action is much more audible and will easily draw attention, especially if the owner is absent from the premises and cannot respond.

Access control of gates and doors with electronic keys

2 proximity readers can be connected to the control unit. For example in front of and behind a door or gate. Up to 80 keys can be added to the system. Guests, pool cleaners, maids, gardeners, etc. can each have their own personal electronic key.

For every key you can decide if the key:

1. Opens the gate/door or electric lock
2. Disarms the outdoor security
3. Disarms the indoor security

Time and attendance

This feature also makes use of the proximity readers and is used to log the arrival and departure of each employee. The journal is updated each time a card-reader stores the information from a key card/tag/fob, making it possible to see who was on the premises at any given time, or if any employee was absent for any given day.

Automatic re-arming

The Superior has advanced options to offer access to a property for cleaning or maintenance staff. This way the system can be armed when leaving for an extended period of time but will still offer temporary access and be certain that the system will be armed again afterwards. The owner can set a timezone for each employee to gain access with their key/card. This ensures that employees cannot gain entry outside their allotted day and time. When staff arrive at the premises they use their key/card to enter and then have a set period in which to carry out their duties. This time period can be set by the owner. A countdown timer is used to warn the staff how much time they have left, but this can be reset very easily, or just by activating one of the movement detectors. When the countdown timer reaches zero, or when the employee leaves the premises, the alarm system is reactivated automatically. This system has many built-in features to make it completely failsafe.

Electricity mains power monitoring, protection and warning system

Thailand has an unstable power network, but it also has a very dangerous way of supplying power into homes. Disconnecting one cable at the meter on the street is enough to generate high over-voltages inside a property, which can damage all connected electrical devices or even cause a fire. The Superior alarm combined with a digital interrupter protects, warns, monitors and logs when the voltage or the frequency is too high or too low.

Control of warning and emergency internal and external lights

The Superior controls all audible devices and lighting, from small warning lights and indoor sirens to emergency outside lighting and external sirens.

No false alarms

The Superior alarm system has a unique way to solve false alarms caused by reptiles and other animals activating the motion detectors. When only one sensor detects motion it activates flashing lights and an indoor siren and sends a pre-alarm warning. This is generally enough to scare off any burglar who has triggered the alarm, and if the culprit is a reptile the neighbours will not be woken up unnecessarily. A determined burglar who continues passes a second detector, which activates the outdoor siren and sends a new warning message. Outside, when a perimeter beam is broken, the control unit uses its innovative intelligent software to determine the type of intrusion and activates the sirens if a genuine intruder is detected, or takes no action if an animal has broken the beams.

The Superior alarm system can operate as an independent device, but it is also designed to connect to a guardroom and/or monitoring service. Smart Alarm provides unique features in the Superior control unit for complete guardroom solutions.

"Smart Alarm Superior", a small investment for maximum safety!