Introduction

By adopting modern microprocessor control and communication technologies, the LS-30 is designed to provide all the most advanced features that you need to protect your home and business. The LS-30 is not only a security system but also a home automation controller that allows you to set as many as 16 programmable switches to execute daily commands throughout a whole week. With optional temperature, humidity and other sensors, the LS-30 also operates as an environmental monitoring center to report and prevent floods, gas leaks and other hazards.

Although the LS-30 is a very powerful device, thanks to the interactive HMI (Human Machine Interface) programming technology, operation is simple. Just follow the instructions shown on the LCD display by answering the questions with YES/NO buttons or entering digit keys, and the settings are done. Moreover, you can operate the system and read its status by using the proprietary GUI (Graphic User Interface) software HyperSecureLink through the Internet.

Features

- Security and home automation.
- IP based design with computer and Internet interface.
- Interactive programming with 16 x 2 LCD display.
- Detailed 512 events log with time tag.
- 288 sensors/ zones can be accommodated.
- 16 programmable X-10 switches.
- Receiving RF signal strength indication and jamming detection.
- Robust multi-million RF coding and special transmission timing design avoiding interferences.
- Responds to panic, burglary, fire, medical alarm and environmental hazards.
- Burglar zones with supervised sensors.
- Door and window open/ close detection.
- Selects partial arming when at home.
- Special monitoring mode to record all the activities in the protected area.
- Temperature, humidity and other sensors for environment monitoring.
- 9 partial arm zones, working independently of the main zones, make LS-30 operate as 10 independent
- Built-in voice dialer stores up to 10 phone numbers, 1 pager and 2 CMS data links.
- Dial-out voice alarm message with event type and zone number.
- Hands-free speaker-phone, two-way voice communication and silent monitoring.
- Dial-in control of listen-in, arm, disarm, event report and switch control.
- Latchkey function to inform parents when kids leave or return home.
- Inform user when AC power loss or restore happens immediately
- Inactivity monitoring to take care of the elderly or physically challenged.
- 3 Aux. Wire Inputs.
- GSM communication module for where land line is not available.
Specifications.

Base Unit

Input Power: 12VDC/300mA.
Standby Current: 60-90mA. (Depends on the receiver type and rechargeable battery)
Frequency: 886Mhz
Data Modulation: OOK (On-Off Key)
Power: Less than 10mW.
Range: About 70metres or more in open space, 25℃.
Receiver Type: Super heterodyne.
RF Security Code: 16,777,216 combinations with check sum for each type of sensors.
More than 4 billion combinations in total.
Dialing Type: Pulse/Tone selectable. (Tone default for Australia)
Preset Telephone Number: 10 phone numbers, one pager, 2 CMS data links.
Voice Recording: 120 seconds in total.
Emergency announcement in 6 segments, 13 seconds for common segment, 4 seconds each for Panic,
Burglar, Fire, Medical and Special segment.
Event Log: Max. 512 records.
Display: 3 LEDs, 2x16 LCD panel in blue color with back light
Sensor Zones: Total 288 zones. (Burglar zones x 128, Fire zones x 64, Controller zones x 32,
Medical zones x 32, Special sensor zones x 32)
Wire Sensor Input: Total 3 sensors.
Memory Back-up Time: Min. 3 months after power break.
Battery Operation Time: about 10-16 hours.10hrs. with built-in back up battery, 16hrs. with optional bat.)
Password: 14 passwords each with Max. 8 digits.
Alarm Out: 230V AC/3A rate relay contacts or 12V DC/200mA output.
Delay Activation Time: 0- 255 seconds programmable.
Switch Control Interface: 16 units of X-10 switch.
Digital Interfaces: RS-232 (9600/ 8 bits/ no parity/ 1 stop bit) or 10M/100M Ethernet
(optional),
RS-485 (reserved).
Remote Display Memory: 32 characters/ set, total 10 sets.
Internal Siren: 110dB at 30cm distance.
CMS protocol: Ademco Contact ID.
Clock Accuracy: Within 5 seconds daily.
Telephone Line Cut Detection Voltage: 20V+/- 4V.
Operation Temp.: -10℃-40℃.
Storage Temp.: -20℃-55℃.
Humidity:10-95%RH.
Size: 248x180x52 mm.
Weight: About 950 g

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<th>TX-3DS</th>
<th>Door/Windows Sensor</th>
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