- ✍ *video alarm transmission*   ✍ *telephone voice prompt / automation*   ✍ *multi-language display & print*

Flexible Zone Configurations

- ✍ **up to 9 zones including:**
  - 6 fully programmable supervised zones
  - 6 fully 3 keypad activated zones (Fire, Auxiliary, and Panic)
  - 1 two-wire smoke zone or auxiliary zone
  - Normally Closed, Single EOL, Double EOL choice of 21 programmable zone types
  - 6 programmable zone options

Flexible Operation

- ✍ **7 access codes** (plus installer's programming code)
  - 2 master codes and 5 user codes
- ✍ **automatic arming**
  - system can be automatically armed at a programmed time of day
- ✍ **"Stay" arming**
  - arms perimeter and bypasses interior
- ✍ **"Away" arming**
  - arms entire system
- ✍ **"Quick-arm"and "Quick-exit"**
  - allows users to arm the system or exit an armed system easily without using an access code
- ✍ **door chime** ... sounds a tone from the keypad whenever a zone programmed as a chime zone is activated while panel is disarmed
- ✍ **2 programmable voltage outputs**
  - 2 low current (50mA) PGM outputs or 1 low current (50mA) and 1 high current (300mA)

- ✍ **battery required:** 12V, 4Ah, rechargeable sealed lead acid
- ✍ **transformer required:**
- ✍ **cabinet:** SG-PC5003C ... 11.3" x 11.7" x 3" (288 x 298 x 78mm)

Flexible Zone Configurations

- ✍ **two different keypads available**
  - **PRS600**... 6 zone LED keypad
  - **SG-P832-LCD** ... alphanumeric keypad
- ✍ **5 one-touch function keys with choice of 18 programmable options**
- ✍ **connect up to 8 keypads... any combination of LCD and/or LED**
- ✍ **easy four wire (QUAD) hook-up**
- ✍ **LED indicators:**
  LED keypad...Ready, Armed, Memory, Bypass, Trouble, Program, and Fire
  LCD keypad ...Ready, Armed, and Trouble
- ✍ **3 keypad activated alarms... Panic, Auxiliary, and Fire**
- ✍ **backlit display**
  - keys and displays backlit for easy viewing in low light conditions
- ✍ **built-in piezo buzzer**... provides audible feedback for correct key entries, pre-alert, and system trouble status
- ✍ **programmable keypad tamper**
- ✍ **specifications**

PGM output with 2-wire smoke detector capability... choice of 30 output options

- ✍ **memory buffer ... 100 events time and date stamped**
  - events can be printed on site using SG-P5400 Printer Interface Module, or viewed on LCD keypad or computer using DLS software

- ✍ **EEPROM memory**
  - does not lose programming or system status on complete battery and AC failure

- ✍ **upload/download capability**
  - program system from remote computer using DLS software view status, trouble conditions, and 100 event memory buffer

- ✍ **bell output**
  - 700mA @1 2Vdc, current limited at 3A
  - steady or pulsed output for each zone

- ✍ **1 amp regulated power supply**
  - auxiliary power... 12Vdc, 500mA

- ✍ **Positive Temperature Coefficient (PTC) components replace fuses**
  - supervision of AC power loss and low battery
  - internal clock locked to AC Power frequency

- current draw... 50mA
- 4.5"H x 5.5"W x 1"D (11.5 x 14 x 2.6cm)
- colour... white

SG-P832-LCD Multi-Language Keypad for superior ease of use...

- ✍ **plain language operating instructions include which key to press for specific functions**
  - steps for programming functions

- ✍ **customer choice of languages on the fly... English, French, Spanish**

- ✍ **large 32 character alphanumeric display of:**
  - zone identification
  - system status
  - trouble conditions
  - system instructions
  - most recent 100 events from system event buffer

Fully Supervised

Trouble conditions are displayed on all keypads and can also be communicated to a central station for:

- ✍ **low battery**
- ✍ **loss of AC power**
- ✍ **phone line trouble**
- ✍ **fail to communicate**
- ✍ **bell output trouble**
- ✍ **fire circuit trouble**
- ✍ **zone tamper**
- ✍ **keypad tamper**
- ✍ **zone trouble**
- ✍ **module fault**
- ✍ **internal clock loss**
- ✍ **AUX power fault**

Telephone Voice Prompt/Automation

DLM-4 Downlook" Video Transmission Module

- ✍ **provides still-frame video capture, compression, and transmission...** to a central station equipped with a Sur-Gard MLR2 Digital Receiver and MLRV-A Video Receiver Module

- ✍ **capture video from 1 or 4 sources with added DLM-7 Camera Expansion Module**... sources include cameras, VCRs, or switchers ... single or quad picture

- ✍ **program any alarm zone to trigger video capture & transmission**

Telephone Voice Prompt/Automation

False Alarm Prevention Features

- ✍ **audible exit delay with urgency**
- ✍ **audible exit fault**
- ✍ **"quick-exit"**
- ✍ **swinger shut down**
- ✍ **opening after alarm transmission**
- ✍ **transmission delay**

Advanced Digital Communicator

- ✍ **supports all major communication formats including SIA and Contact ID**

- ✍ **event initiated personal paging**
  - **-** program selected alarms and other events to signal a pager
- ✍ **supports LINKS1000&"153; cellular communications**

- ✍ **split reporting**
  - **-** transmit selected events to each phone number
- ✍ **manual keypad activated communicator test**... as well as programmable automatic periodic test

- ✍ **DTMF and Pulse dialing**
- ✍ **DPDT line seizure**
- ✍ **anti-jam feature**
- ✍ **3 phone numbers**
- ✍ **2 account numbers**

SG-P5580 Voice Prompt/Security & Building Automation Control Module

- ✍ **turns any touch-tone phone into a fully functional keypad**

- ✍ **built-in powerline interface for control of 32 X-10 control devices**

- ✍ **extensive library of voice prompts**... guide user in security and automation control functions and provide status feedback

Management Reports

SG-P5400 Printer Interface Module

- ✍ **provides RS232 serial printer connection**

- ✍ **keypad activated printout of systems 100 event memory buffer**

- ✍ **choice of language for printout... English, French, Spanish**

- ✍ **supports any 300, 1200 or 2400 BPS serial printer**

ARCHITECTS & ENGINEERING SPECIFICATIONS

The contractor shall provide a complete electrically supervised fire and burglar alarm system. The system shall be complete with a multi-zone alarm system with the capability of programming 6 supervised burg or fire zones and one 2-wire smoke detector zone or auxiliary zone. Programming shall allow a choice of 1 of 21 zone types and 6 zone options for each zone. Zones shall be capable of operating listed heat detectors, smoke detectors, alarm contacts, motion detectors, vibration detectors and other listed fire and burglary alarm detection devices as required for type of zone. The alarm panel shall have 2 programmable outputs with choice of 1 of 30 output options for each output. The system shall be capable of providing 500mA of 12Vdc auxiliary power for alarm devices.

The system shall be complete with a powerline interface for control of up to 32 X-10 control devices.

The alarm panel shall be complete with an integral digital communicator capable of being programmed to transmit to two separate monitoring stations or locations with 2 account numbers. The communicator

shall supervise the telephone line. The system shall support and supervise LINKS cellular communications for backup or sole communications to the monitoring stations and/or upload/download operations. The system communicator shall be capable of communicating in 3/1, 3/2, 4/1, or 4/2 20 BPS pulse formats with 1400 or 2300 Hz handshake, Contact ID, SIA, and Pager formats . Events transmitted shall be programmable to include: fire alarms, burglary alarms, trouble alarms, supervisory conditions, alarm restoral codes, opening (disarming) and closing (arming) codes, partial closing codes, and opening after alarm codes. The system shall be capable of paging personnel on the occurance of any of the above events selected by the owner. The system shall be capable of transmitting a manual keypad activated communicator test code and a programmable daily test code to the monitoring station(s) at a regular time of day.

The system shall provide video alarm verification to a Sur-Gard MLR2 digital receiver at the central station. System shall have provision for 4 cameras or video sources with the ability to have any zone activate the video sources and initiate video capture and transmission along with digital transmission of the alarm.

There shall be a 700mA, current limited at 3 amp, supervised bell/siren circuit that will drive a bell/siren until reset or silenced. Siren output shall be programmable as steady or pulsed for each zone.

The alarm panel shall be equipped with EEPROM memory to retain all program information even if AC and battery power is lost; and shall have integral static and lightning protection circuitry.

The alarm panel shall have programmable swinger suppression, transmission delay, opening after alarm reporting, audible exit delay with urgency, audible exit fault, and "quick exit" features to prevent false alarms and unnecessary transmissions to monitoring stations.

The system shall have "stay" arming capability to allow the user to remain on the premise while the system is armed. A "quick-arm" feature shall allow users without access codes to arm the system and exit. A "quick-exit" feature shall allow a person to leave the armed premise through a delay zone without having to disarm and rearm the system. A door chime feature shall cause the keypad to beep when a selected door (zone) is opened/closed while the system is disarmed. The system shall allow automatic arming at a programmable time of day. The system shall allow 7 access codes plus an installer's programming code.

The system shall support up to 8 surface mounted keypads capable of fully programming and operating the system. Keypads shall be any combination of LED or LCD type. LED keypads shall be complete with 6 zone indicator lights and 7 system lights indicating Ready, Armed, Memory, Bypass, Trouble, Program and Fire. LCD keypads shall have multi-language (English, French, Spanish) display capability. Language shall be changeable by customer using a keypad command sequence. LCD keypads shall be complete with liquid crystal display (LCD) to provide plain language programming instructions, operating instructions, and display of all alarms and supervisory conditions; and 3 system lights indicating Ready, Armed, and Trouble. All keypads shall have 5 programmable one-touch function keys, and 3 keypad activated emergency alarms for Panic, Auxiliary, and Fire. Keypads shall be equipped with a piezo buzzer to provide audible feedback for correct key entries, pre-alert, and trouble.

The system shall allow any touch-tone phone to be used as a keypad with voice prompts for system commands, functions, and status feedback.

The system shall be uploadable/downloadable to allow programming and operation from a remote computer over a telephone line or LINKS cellular communications equipment. Remote access shall be controlled by the owner to prevent unauthorized access.

The system shall support a 300, 1200 or 2400 baud serial printer which will print all system events and transactions stored in the systems 100 event memory buffer upon keypad command. User shall have choice of English, French or Spanish language for printout.

The system shall meet UL/ULC standards as required for type of application.

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