

## SYSTEM 3505 ALARM MONITORING SYSTEM



### FEATURES

- Instant operating program updates through the Digitize website: [www.digitize-inc.com](http://www.digitize-inc.com)
- Mix & Match monitoring options and accessories
- 150+ screens of non-magnetic, non-volatile, field-programmable messages provide a "plain English" display—expandable to 38,000!
- Prints every incident! Integrated graphic thermal printer provides continuous hard copy printout (remote line printer available)
- Large electroluminescent display screen provides 160° viewing angle, readable at 20 feet!
- 101 AT style keyboard for user text entry and System setup. Text can be uploaded via the optional WIN3505 utility
- 8 levels of user programmable input alarm priority—the last four priorities are changeable
- 8 serial ports (expandable to 33); configuration based upon installed options
- 1 Billion+ programmable sound & volume combinations through the sound generator
- Operates as a stand alone, or in a network of multiples
- AC Failure indicator and built-in diagnostic outputs include: remote-line printer, relay control, programmable point output
- Auto switching power supply: 90-240V AC, 50-60 Hz
- Space for 7 additional MEM-600 memory modules, expandable with additional memory boards, MBD-4800 (P/N 01001-0050)
- Visual and/or audible alert in the event of an internal SYSTEM 3505 malfunction

### APPLICATIONS

Used as a stand alone unit or in networked multiples, the System 3505 is designed for fire alarm reporting, security alarm monitoring and building management. A proprietary alarm monitoring system, the System 3505 has been expressly developed for single ownership by universities, military bases, municipalities, hospitals, industrial complexes, and other multi-building campus facilities.

### SYSTEM DESCRIPTION

The System 3505 monitors the information processed by alarm control sensors through alarm control lines. When an alarm control condition occurs, an audible alarm, indicator lamp, alphanumeric display and a printed record of the condition will be presented by the System 3505 to operating personnel. The System 3505 is a solid state, microprocessor-based alarm monitoring unit that uses state-of-the-art devices and circuitry to continuously monitor and display the status of all connected alarms. Equipped with field-programmable, non-volatile, flash memory, the System 3505 monitors up to 500 active alarm points simultaneously, and in any combination of multiplex, telegraph/McCULLOUGH codes, direct-wire, digital dialer, network, addressable FACP, polling radio, and serial input alarm signals, as well as Ethernet (when paired with the Smart-IP Card). Options can be tailored to your installation's precise security needs.

The System 3505 monitors three alarm categories: Zone, Dialer, and Box. Direct wire zone inputs are monitored via EOL or RPI input cards. Multiplex zone inputs are monitored via Data Gathering Panels (including serial devices connected to fire alarm panels). Polling radio zones are monitored via Radio Data Gathering Panels. Dialers are monitored via Digitize Digital Dialer receiver cards. Box alarms are monitored via telegraph/McCULLOUGH coded boxes or 1221 Radio interface card.

The SYSTEM 3505 has 150 screens of field-programmable memory for storage of user text information (expandable to 38,000). All memory module data is maintained in the event of a complete power failure, including the loss of battery backup. Seven memory modules may be added to the System 3505. Relay control is available to control fans, doors, and output modules. Programmable point output controls up to 2,048 output points, either remotely or at the System 3505 location.

### SYSTEM 3505 ENHANCEMENTS

Working in tandem with the System 3505, the Remote Annunciator offers an interactive audio-visual display of System 3505 activity at a remote location: dispatcher's response logging with date/time stamping, alarm data-basing, and priority generation. Several Remote Annunciators can be used with filtering by alarm priority. By adding Digitize Text-2-Cell & E-mail Option, a user is equipped to send alarm, trouble, and restore information to personnel in the field, via the Remote Annunciator\*. The user can define up to 16 conditions under which text notifications are sent to personnel, or subsets of personnel. The "Test Mode" Option masks user specified alarms by alarm point, group of alarm points, or buildings, for a user specified time not to exceed 8 hours. A remote line printer is available to maintain secondary records.

\* An overall notification System is *not* supervised and should not be relied on for primary alarm notification.) Networked Systems and those equipped with multiple Remote Annunciators must be equipped with the Digitize Smart-IP Card.

# SPECIFICATIONS

## DIMENSIONS:

Height: 6.97 in. (17.7 cm)  
Width: 19.0 in. (48.3 cm)  
Depth: 15.5 in. (39.5 cm)

## WEIGHT (approximate)

Net Weight: 21.3 lb (9.7 Kg)  
Shipping Weight: 25.0 lb (11.38 Kg)

## ENVIRONMENT

Operating Temperature: 32 to 120 F (0 to 49 C)  
Storage Temperature: 14 to 158 F (-10 to 70 C)  
Operating Humidity: 0 to 85% (non-condensing)  
Storage Humidity: 0 to 85% (non-condensing)

## DISPLAY

Format: 320 x 240 pixels  
Viewing Area: 4.5 in. x 3.4 in.  
Character Set: 96 character ASCII with Graphics

## THERMAL PRINTER

Print speed: 75mm/s  
Roll Size: 3 1/8 in. W x 220 ft. L  
Print Image: Black (based on paper used)  
Capacity: 1500 Alarms per roll

## FUSES

AC Line Input Fuse - 3.0 Amp (fast blow)

## POWER:

Primary AC Power Input: 90 to 240 VAC  
AC Power Consumption: 50 Watts (max.)  
Frequency Input: 47-63 Hertz  
Standby DC Power Input: 24 VDC (nom.)  
**DC Operating Current** -1.5 Ampere DC (max.)

## OUTPUTS:

Audio Out: Line level output (1 Volt P-P) for connection to an external amplifier or PA System.  
SST Fast: Normally open/closed dry contacts used for special options  
SST Slow: Normally open and normally closed "dry" relay contacts used for special options.  
ALARM: Energized based on SET MENU selection.  
TROUBLE: Normally energized when System operates properly.  
SUP: Energized based on special options.  
POWER 1&2: To power additional Digitize equipment

## INPUTS

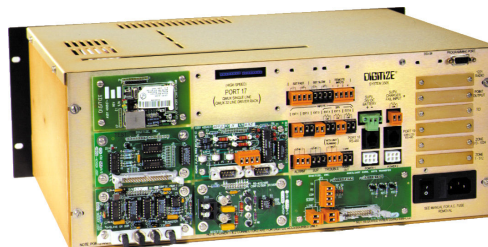
AC Power: Detachable Cord  
Standby Battery: 24 Volts DC  
Remote Inputs: "Telegraph Coded Input" option.  
EXT Inputs 1-6: EXT 4, 5, and 6 are supervised (custom features) as zones 3xx1-3xx3 where xx=master slave ID (custom features)  
CHARGER Fail                      Supervised Charger Fail Input. (Not needed with EBB-LCD)

**APPLICABLE PUBLICATIONS:**      FCC Rules and Regulations, Part 15  
National Electric Code  
NFPA 72 (Proprietary)

## PARTIAL LIST OF OPTIONAL INTERFACES

Clients interested in the System 3505 are often interested in the following products:

- Solid State Telegraph ▪ Radio Box 1221 ▪ Digitize Remote Annunciator ▪ Smart-IP Card ▪ DETs ▪ Monaco RFM-7000 ▪ Monaco RFM-5000 ▪ Text-2-Cell (with Remote Annunciator Option only) ▪ Radionics ▪ SDS/Desplex ▪ AES ▪ Multiplex ▪ King-Fisher ▪ CGRMS ▪ Digitize D-LAN Protocol ▪ Muxpad II ▪ Digitize SST ▪ DGMs ▪ Digitize Mesh Network ▪ Vindicator ▪ Network Systems ▪ Intellitize ▪ Digital Alarm Receiver ▪ Micromux ▪ Mesh Radio Communications



System 3505 Rear Panel (Optional Cards Shown)