

DGM-16LS

Features

- 16 zones per panel, EOL
- 16 Bicolor alarm & trouble indicators per zone
- Zone bypass switches
- Tamper Switches
- Available with RS-485, audio, RS-232, fiber optic, radio polling, or high-level line driver communication
- Lightning protection
- Reports alarm, trouble, secure, bypass, low battery, tamper, AC fail
- Barrier Strips "pop out" for easy service
- AC or DC power
- Built-in battery charger
- Watchdog timer
- Compatible with all Digitize DGM models
- Supervised communications link
- Electronics on hinged inner door
- Complies with NFPA-72 standards
- In circuit programmable
- Optional NEMA 3R enclosure with corrosion inhibitor
- Optional 8-zone lightning protection board



Product Information

The DGM-16LS is a data gathering module. The unit communicates with the System 3505 Prism LX™ head end via a dedicated cable pair. Multiple panels can be monitored on a pair of wires. The DGM panel monitors 16 end-of-line resistor alarm inputs per DGM panel. Information is passed to the 3505 by a polling technique.

The System 3505 Prism LX™ polls all DGM panels for any change in status. All status changes are held in memory by the DGM, even if the condition clears. Inputs are supervised so that any break in the input circuit will cause a "Trouble" condition to be reported by the zone.

The DGM-16LS is supplied with 16 inputs. A steel enclosure houses the DGM-16LS with a step-down transformer, tamper switch, CAM lock, data link interface, 60 hour standby battery and built in charger. Sixteen alarms and 16 trouble LEDs show zone status: red=alarm, yellow=trouble. Each zone has a built-in bypass switch for taking a zone out of service. Out-of-service zones report their condition to the head-end equipment.

The DGM-16LS is normally powered by 117 VAC through the internal step-down transformer and uses a 12VDC as backup when AC is the main source. Loss of AC power for more than 15 seconds is reported to the System 3505 Prism LX™ for display. The length of time before a loss of power is reported to the system can be set by the user for any value between 1 and 90 seconds. Should the battery voltage drop below a preset level, a "Low Battery" condition will be reported for display. In normal operation, the DGM internal charger will keep the standby battery at full charge. The DGM-16LS switches from AC to battery power without service interruption.



DGM-16LS Panel

Specifications

Enclosure

Steel enclosure with door and cam lock

Dimensions

15 ^{1/8"}H x 4 ^{1/8"}D x 13 ^{1/2"}W

Power

117VAC 50/60 Hertz

Battery

12VDC Battery backup (7AH standard)

Input Zones

16 Zones, end-of-line resistor (4.7K)

Communication Style

RS-422/485 Style 3/6, audio modem, isolated RS 422/485, RS-232, fiber optic, High-level Style 7

Operating Temperature

-40°C to +60°C

Optional Lightning Protection Board

P/N 400471-0002

Ordering Information

RS-485	(Red)425105-0001	(Brown)425105-0000
Fiber	(Red)425105-2001	(Brown)425105-2000
Audio Modem	(Red)425105-3001	(Brown)425105-3000

