DIGITIZE®
First…When seconds count! ™

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DGM-16LS-RF

Features

- 16 zones per panel, EOL
- Bicolor alarm & trouble indicators per zone
- Zone bypass switches
- Tamper Switch
- RF Communications 2/4/5 Watt
- Reports alarm, trouble, secure, bypass, low battery, tamper, AC fail & ground fault
- 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
- NFPA-72 compliant & ETL Listed
- UHF & VHF ranges
- Form C Relay can be turned on, off, or momentary via the relay control option on the System 3505 Prism LX™
- Optional NEMA 3R enclosure with corrosion inhibitor
- Optional 16-zone lightning protection board

Product Information

DGM-16LS-RF Panel

The DGM-16LS-RF is a data gathering module that uses Coded Multiplex communications. The unit communicates with the System 3505 Prism LX™ head-end via dedicated polling radio. The DGM panel monitors 16 end-of-line resistor alarm inputs per DGM panel. Information is passed to the 3505 by a polling technique. Average time to next alarm, trouble, or secure is 4 seconds for systems with 500 DGM-16LS-RF panels. The System 3505 Prism LX™ polls all DGM-RF 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 bicolor 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. Unless otherwise marked, all zone inputs and communications circuits are power limited.

The DGM-16LS-RF is normally powered by 120 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 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 before 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-RF switches from AC to battery power without service interruption.

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
120VAC @ 60 Hertz; 150mA max.

Battery
12VDC Battery backup (12 AH)

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

Antenna Connector
BNC, Male, 50 OHMS

Transceiver
Digitize reserves the right to determine the brand of radio supplied on units with Polling Radio

FCC ID
AZ489FT4774

Operating Temperature
-40°C to +60°C, Install only in a dry, indoor environment.

Optional Lightning Protection Board
P/N 400471-0001 Eight Zone Lightning Protection Board
P/N 400436-0000 Four Zone Lightning Protection Board
P/N 425187-0001 Quarter wave Lightning Protection Stub (specify exact frequency)

Ordering Information

DGM-16LS-RF (Brown)	(Red)425105-1000
DGM-16LS-RF (Red)	(Red)425105-1001