

DGM 8LS RF

Features

- 8 zones per panel, EOL
- Amber and Red 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 8-zone lightning protection board

Ordering Information

425104-1000 - DGM-8LS-RF, BRN

425104-1001 - DGM-8LS-RF, RED

Optional Components:

400471-0001 - 8-Zone Lightning Protection Board

425187-0001 - Quarter wave Lightning Protection Stub (Specify Exact Frequency)



Product Description:

The DGM-8LS-RF is a Data Gathering Module that uses Coded Multiplex communications. The unit communicates with the SYSTEM 3505 Prism LX™ head end via polling radio. The DGM panel monitors eight end-of-line resistor alarm inputs per DGM panel. Information is passed to the SYSTEM 3505 Prism LX™ by a polling technique. Average time to next alarm, trouble, or secure is four seconds for systems with up to 500 DGM-8LS-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-RF, even if the condition clears. Inputs are supervised so any break in the input circuit will cause a “Trouble” condition to be reported by zone.

The DGM-8LS-RF is supplied with eight EOL inputs. A steel enclosure houses the DGM-8LS-RF with a step-down transformer, tamper switch, CAM lock, data link interface, RF Transmitter, 60-hour standby battery and built-in charger. Eight alarm and eight trouble LEDs show zone status. 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 communication circuits are power limited. Please refer to DGM 8LS-RF Installation Manual, P/N 700167 for more details.

The DGM-8LS-RF is normally powered by 120 VAC through the internal step-down transformer, and uses 12 VDC as backup when AC is the main source. Loss of AC power for more than 15 seconds will be 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 one 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-8LS-RF switches from AC to battery power without interruption in service.



DGM-8LS RF Panel
(Shown with Indoor Antenna)

Specifications

ENCLOSURE: Steel enclosure with door and cam lock.

DIMENSIONS: Height: 15 1/8" Depth: 4 1/8" Width: 13 1/2"

POWER: 120 VAC @60 Hertz (150mA max.)

BATTERY: 12 VDC Battery Backup (12 AH Standard)

OPERATING TEMPERATURE: -40 to +60 Degrees C

OPERATING FREQUENCY/POWER OUT:

136-174 Mhz: 2/5 Watts, 450-470 Mhz: 2/4 Watts

ANTENNA CONNECTOR: BNC, Male, 50 Ohms

TRANSCEIVER: Digitize reserves the right to determine the brand of radio supplied on units with Polling Radio.

INPUT ZONES: 8 Zones, End Of Line resistor (4.7K)

