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GEMC-EZM8

ZONE EXPANSION MODULE for the GEMINI C-Series Control Panels

DATA SHEET

WI1894 09/10

DESCRIPTION

The capacity of the GEMC-Series control panels may be expanded through the use of a **GEMC-EZM8** Zone Expansion Module. Each GEMC-EZM8 module provides up to 8 additional zones, and may be configured to provide for either 4 zones or 8 zones. Using either configuration, several GEMC-EZM8 modules may be combined as necessary to supply the required number of zones to the GEMC-Series control panel. Refer to the GEMC-Series control panel installation instructions (WI1653) for wiring requirements.

WIRING

Wire the expansion zones to the module and the module to the control panel in accordance with the wiring diagrams shown using 12-22AWG wire (see WI1653 for maximum wire length depending on wire gauge and current load of home run). Install end-of-line resistors on all zones, even if one or more zones are not used. **NOTE:** The addition of Zone Expansion Modules will reduce the amount of current available by 60mA at the control panel's Auxiliary Power Output terminals.

SPECIFICATIONS

Electrical Ratings

Input Power: 12.5 - 7.5VDC, 60mA.

Zone Loop current: 4.7mA nominal, 5.5mA when shorted.

Maximum Zone Loop Resistance: 300 ohms.

2.2K End of line resistor (UL Listed part number EOL2.2K required in Fire applications).

Output Power:

PGM Output (Active low): 5mA, 12V. Connect only to power-limited circuits less than 14VDC. Use only in Burglary applications.

Ground Faults Detected: 1.25KΩ to ground or less.

PHYSICAL

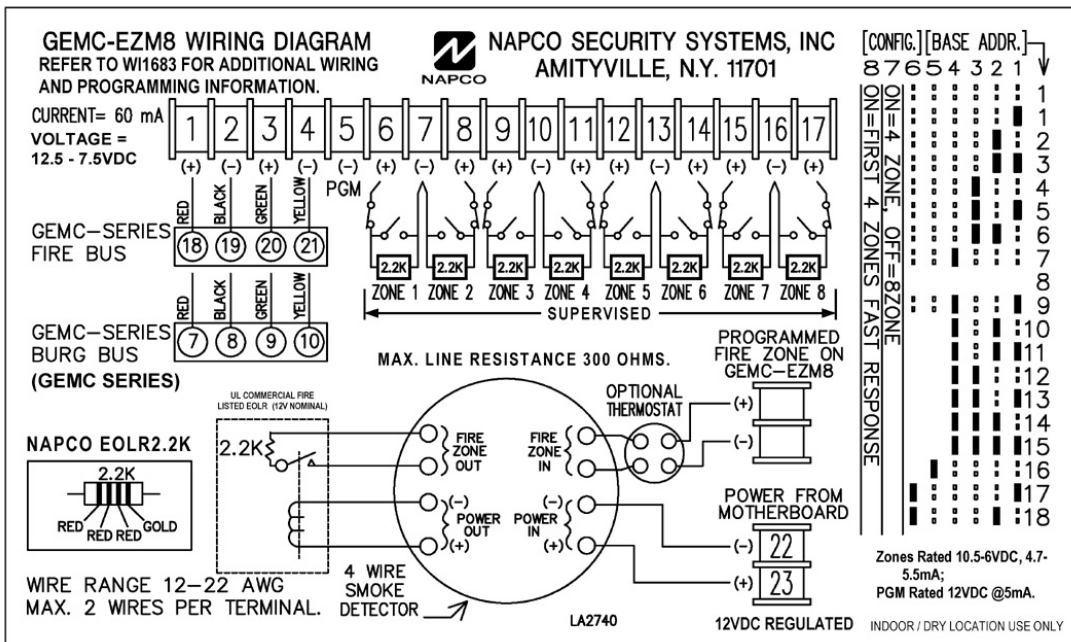
Dimensions (HxWxD): 3⁵/₈" x 7" x 1⁵/₈"

AGENCY LISTINGS

- UL365: Police Station Alarm Units
- UL609: Local Burglar Alarm Units and Systems
- UL864 9th Edition: Commercial Fire
- UL985: Household Fire Warning System Units
- UL1023: Household Burglar Alarm System Units
- UL1610: Central Station Burglar Alarm Units
- NFPA 72 National Fire Alarm Code
- Security Industry Association (SIA) False Alarm Reduction Standard CP-01
- CSFM: California State Fire Marshall (Pending)
- FM Approval: (Pending)
- NYCFD: NYC Fire Department (Pending)

ORDERING INFORMATION

GEMC-EZM8: 8 Point Expansion Module, suitable for Commercial Fire and/or Burg applications.



GEM-EZM8 Wiring Diagram