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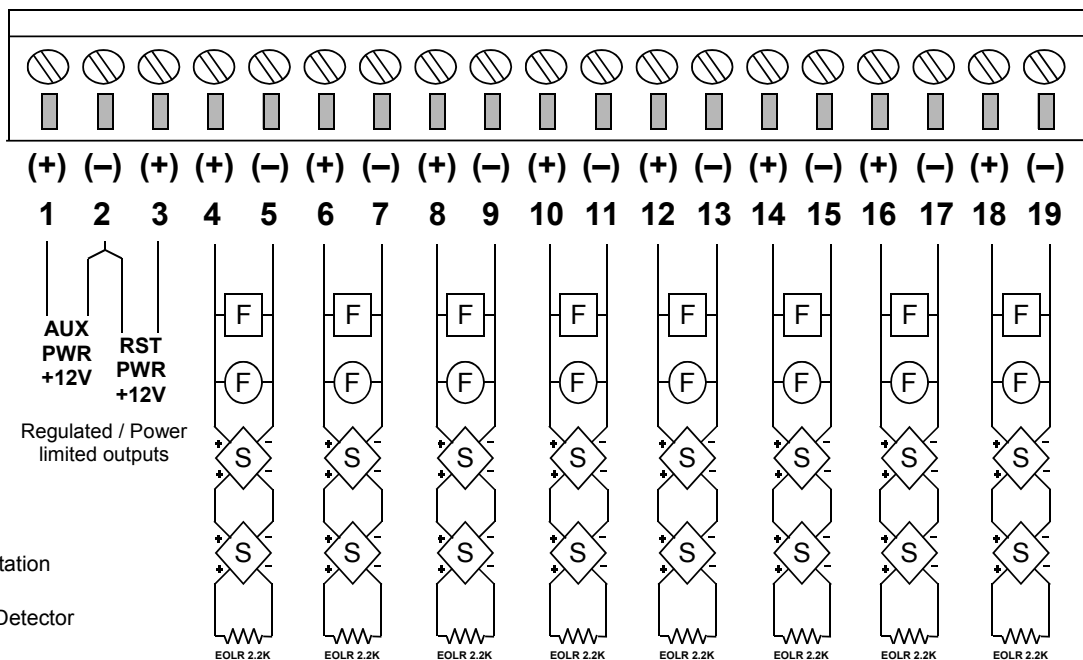
WI1651 08/10

GEMC-F8ZCPIM

Conventional 8 Fire Zone Expander Plug in Module

INSTALLATION INSTRUCTIONS

All Circuits
Class B, Style B

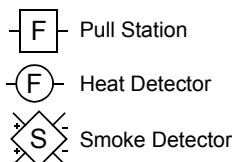


Maximum one
(1) wire per
terminal

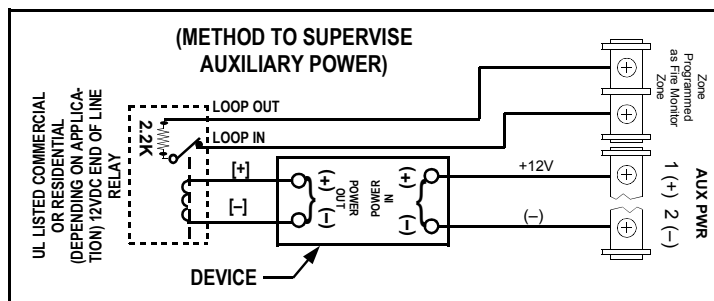
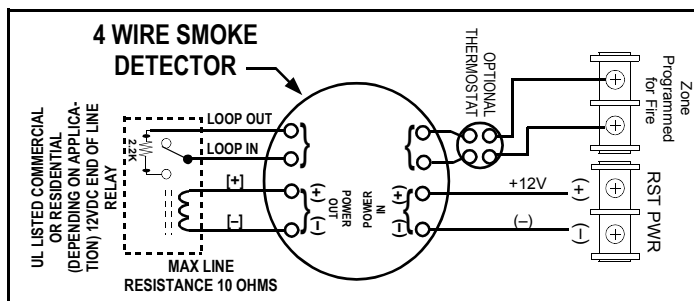
Wire Range
12-24 AWG

Isolated integral
ground-fault
detection circuit
(detects 1.25K Ω
to ground or less)

Note: Inputs 1-8
are supervised



Caution: Do not mix pull stations and/or heat detectors on zones with smoke detectors using internal sounders.



INSTALLING THE GEMC-F8ZCPIM

Before attempting to install the GEMC-F8ZCPIM, *remove the AC power and battery harness from the GEMC-Series motherboard.* Insert GEMC-F8ZCPIM into the polarized J1 and J1A connectors on the motherboard above terminals 11-17, making sure all 9 pins are inserted into the two connectors correctly, and with the GEMC-F8ZCPIM terminals facing front. Wire initiating circuits, then re-power and test the system. **Note:** *Use only 12V listed devices and only 2 wire smoke detectors listed with this system (see WI1653 for compatible detectors and maximum devices per zone).* **Important:** Only smoke detectors are permitted on zones programmed with Fire Alarm Verification. Never install Pull Stations, Heat Detectors etc. on zones programmed with Fire Alarm Verification.

ELECTRICAL RATINGS

Input Power: 12V Regulated, 120mA standby + total combined standby & alarm current.

Output Power:

AUX PWR: 12V Regulated, 700mA maximum.

RST PWR: 12V Regulated, 700mA maximum.

Maximum Total Combined Standby and Alarm Current: 120MA + total combined standby current. Must reduce GEMC-Series motherboard total combined 12V standby power by GEMC-F8ZCPIM total combined standby current.

Zone Ratings:

Voltage: 12VDC nominal.

Current: 2mA maximum detector current per zone loop.

Alarm: 42mA maximum alarm current per zone.

Maximum Loop Resistance: 10 ohms.

Note: Zones not programmed into Area 1 and not wired with an EOLR will not pull any current in standby or in alarm. All initiating circuits are Class B.

Compatibility Identifier: GEMC.

NAPCO LIMITED WARRANTY

NAPCO SECURITY SYSTEMS, INC. (NAPCO) warrants its products to be free from manufacturing defects in materials and workmanship for *thirty-six months* following the date of manufacture. NAPCO will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges.

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Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period. IN NO CASE SHALL NAPCO BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT.

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In no event shall NAPCO be liable for an amount in excess of NAPCO's original selling price of the product, for any loss or damage, whether direct, indirect, incidental, consequential, or otherwise arising out of any failure of the product. Seller's warranty, as hereinabove set forth, shall not be enlarged, diminished or affected by and no obligation or liability shall arise or grow out of Seller's rendering of technical advice or service in connection with Buyer's order of the goods furnished hereunder.

NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following; criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. NAPCO does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

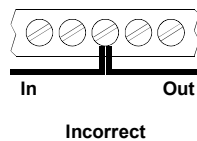
NAPCO is not an insurer of either the property or safety of the user's family or employees, and limits its liability for any loss or damage including incidental or consequential damages to NAPCO's original selling price of the product regardless of the cause of such loss or damage.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, or differentiate in their treatment of limitations of liability for ordinary or gross negligence, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

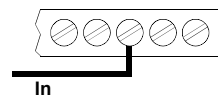
IMPORTANT WIRING METHODS



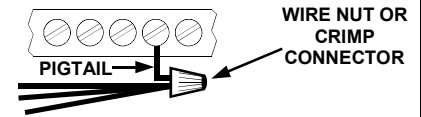
For single-conductor terminal blocks (like the type shown at left), to terminate more than one conductor to a terminal, use the wiring methods shown at right:



Incorrect



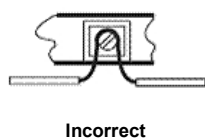
Correct -- Single incoming and/or pigtail with wire nut / crimp connectors



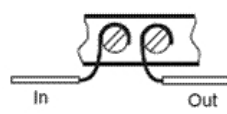
WIRE NUT OR CRIMP CONNECTOR



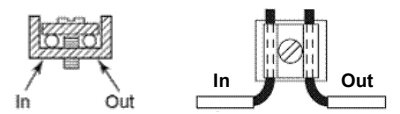
For "barrier" type terminal blocks (like the type shown at left), to terminate two conductors to a terminal, use the wiring methods shown at right:



Incorrect

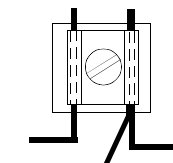


Correct -- Separate incoming and outgoing conductors

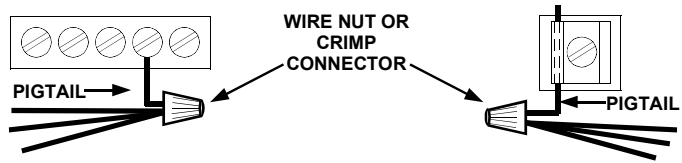


In Out

To terminate more than two conductors or conductors of different wire sizes to a terminal, use the "pigtail" type wiring method as shown at right. Use insulated wire for the pigtail, and firmly secure the conductors to the pigtail using an appropriate wire nut or crimp connector for the number and gauge of conductors used.



Incorrect



Correct -- Use pigtail and wire nut / crimp connector