



GEMC-RS232 Control Panel / Computer Converter INSTALLATION INSTRUCTIONS

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(Note: Technical Service is for alarm professionals only)

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WI1823 08/10

GENERAL DESCRIPTION

The GEMC-RS232 Control Panel/ Computer Converter is an interface module which allows the Gemini C-Series control panel to be connected to a computer which may be used to display system status. The GEMC-RS232 is Listed by Underwriters Laboratories for Supplemental use only. It provides signal and ground isolation between the control panel and the computer and will protect the control panel from shorts, transients and surges which may emanate from the computer or the associated cabling. The GEMC-RS232 has been designed to be permanently mounted inside the cabinet of the Gemini C-Series control panel and can be connected to the computer in several different fashions (see **CONNECTION**).

SPECIFICATIONS

Electrical Ratings

Input Power: 12V nominal, 60mA.

Note: 12V power must be supplied from GEMC-Series motherboard **AUX PWR** terminals. Available GEMC-Series motherboard total combined 12V aux current must be reduced by 60mA.

Output: RS232 format, maximum 50 feet.

Note: For supplementary use only.

Dimensions (HxWxD) : 11/16" x 2 9/16" x 2 9/16"

Range: 50 feet using RS232 serial cable; 100 feet using Cat5 cable

ORDERING INFORMATION

1. GEMC-RS232
 - RS232 Converter
 - 6 conductor Modular to Modular (RJ25 Style) cable
2. GEMC-RS232KIT
 - RS232 Converter
 - 6 conductor Modular to Modular (RJ25 Style) cable
 - 8 Pin Modular (RJ45 Style) to DB9 Male Adapter
 - 8 Pin Modular (RJ45 Style) to DB9 Female Adapter

SYSTEM REQUIREMENTS

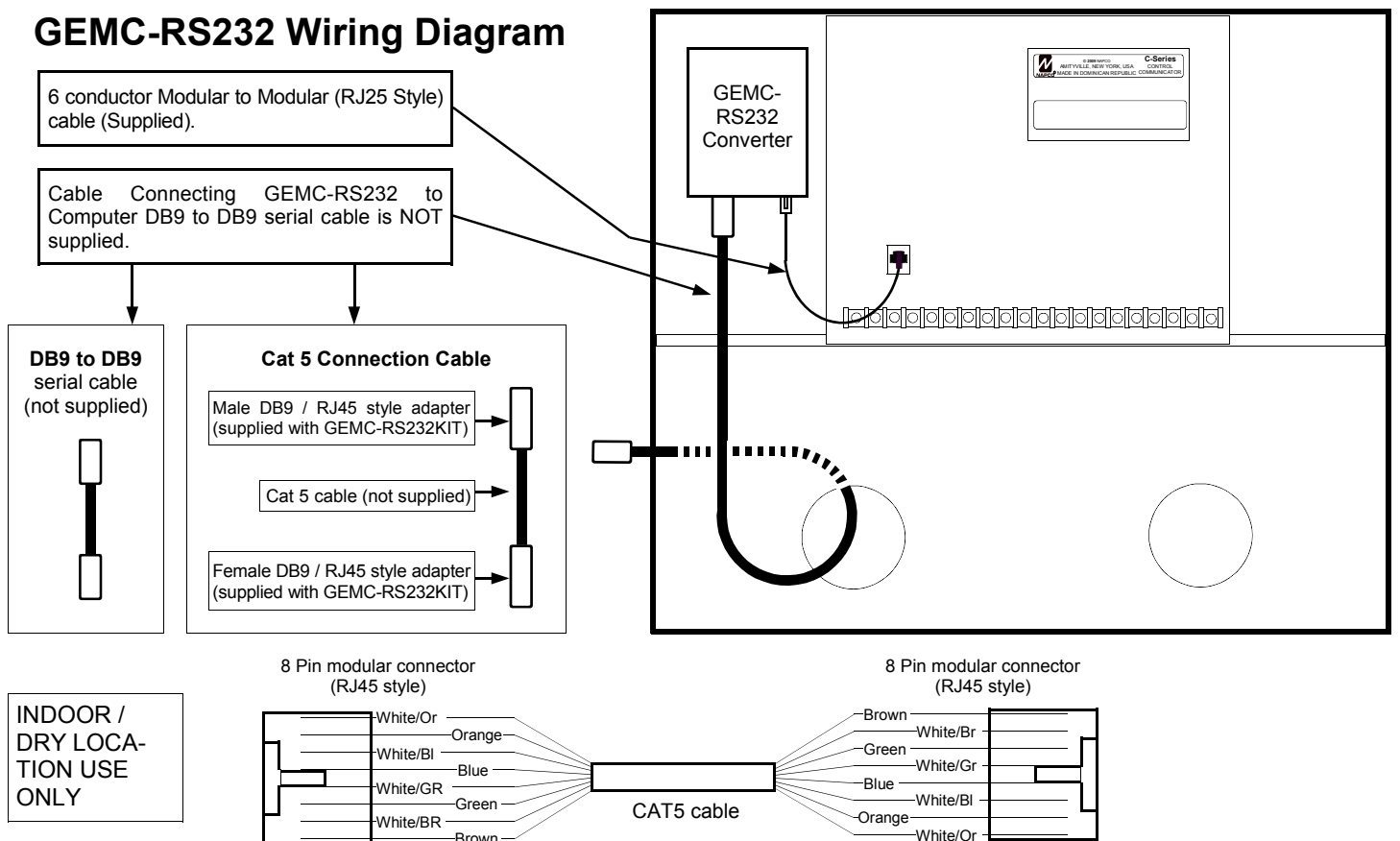
The following system hardware is required:

- Gemini C-Series Control Panel

CONNECTION

- Refer to the wiring diagram. Connect the 6-conductor modular cable (supplied) to RJ25 #1 or RJ25 #2 of the control panel and then plug into the module (RJ25 style) plug on the RS232 converter.
- For direct connection to serial port of computer or automation system, plug male DB9 connector of serial cable (NOT supplied) into the DB9 connector of the RS232 converter and connect other end to serial port of computer.
- For CAT 5 wiring to computer or automation system, plug male DB9/CAT5 connector (supplied with GEMC-RS232KIT) into the DB9 connector of the RS232 adapter and connect female DB9/CAT5 connector (supplied with GEMC-RS232KIT) to automation system DB9 connector. Use CAT5 cable terminated with standard RJ45 connectors (not supplied).

GEMC-RS232 Wiring Diagram



Wiring Discipline for Cat 5 Connectivity

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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behalf to modify, to change, or to assume for it, any other warranty or liability concerning its products.

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.

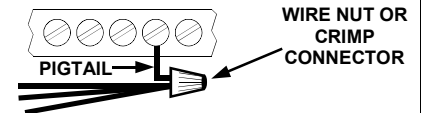
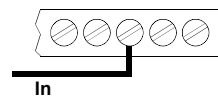
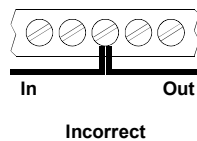
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Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, or differentiate in their treatment of limitations of liability for ordinary or gross negligence, 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



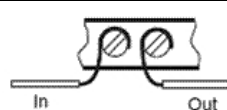
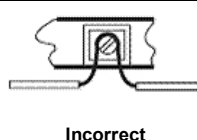
For single-conductor terminal blocks (like the type shown at left), to terminate more than one conductor to a terminal, use the wiring methods shown at right:



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

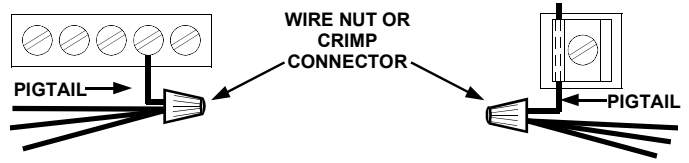
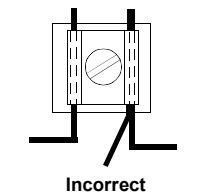


For "barrier" type terminal blocks (like the type shown at left), to terminate two conductors to a terminal, use the wiring methods shown at right:



Correct -- Separate incoming and outgoing conductors

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.



Correct -- Use pigtail and wire nut / crimp connector