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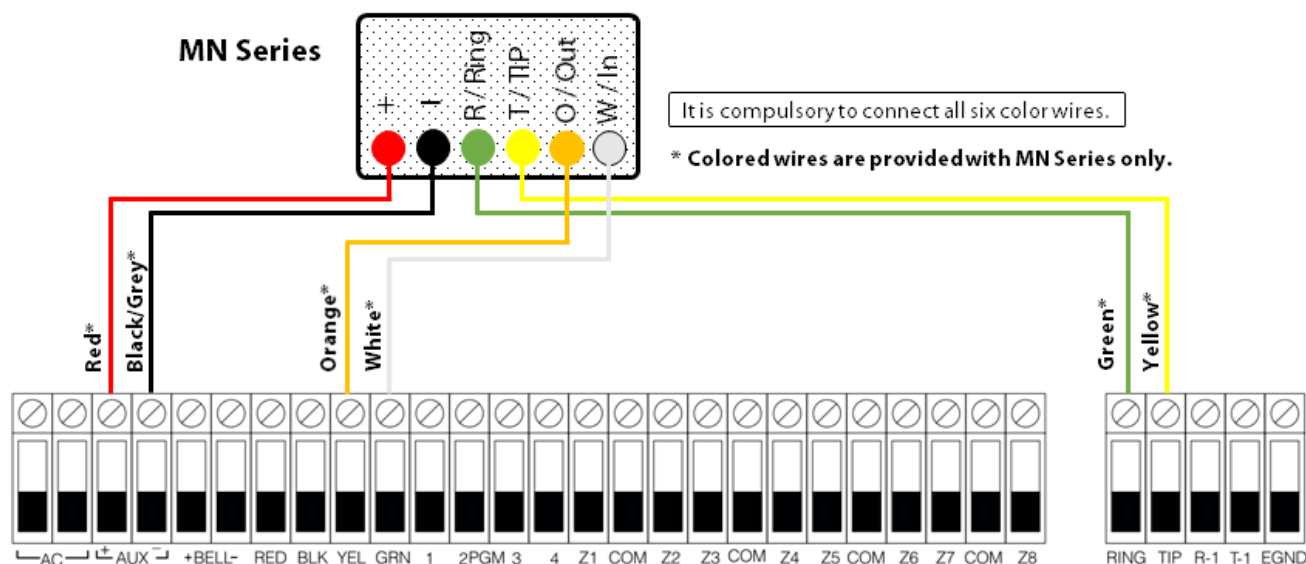
Wiring
M2M's MN / MQ Series
Cellular Communicators
to
DSC Power864 / PC5020
and
Programming the Alarm Panel

CONTENT

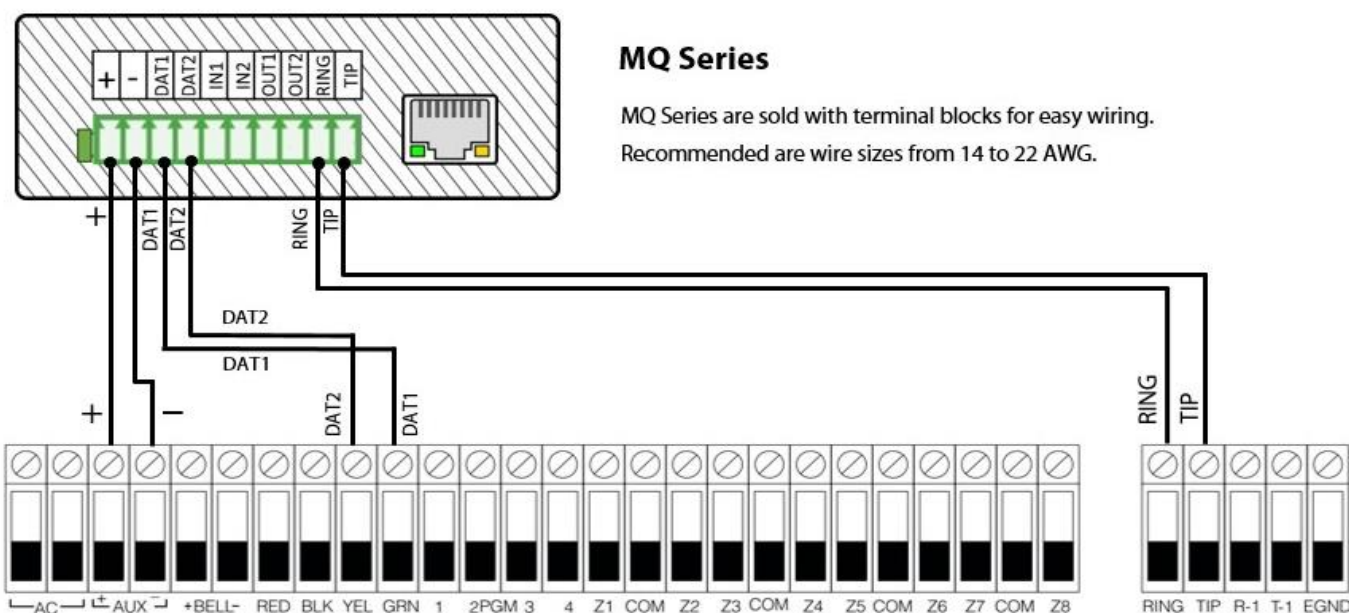
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CAUTION:

- It is advised that an experienced alarm installer programs the panel as further programming may be required to ensure proper performance and use of the full functionality.
- Do not route any wiring over circuit board.
- Full panel testing, and signal confirmation, must be completed by the installer.

Wiring MN01, MN02 and MiNi communicator series for events reporting and remote control via keybus*:


*Remote control via the keybus allows you to arm/disarm or arm in stay multiple partitions, bypass zones and get the status of the zones

Wiring MQ03 communicator series for events reporting and remote control via keybus*:


*Remote control via the keybus allows you to arm/disarm or arm in stay multiple partitions, bypass zones and get the status of the zones

Programming the dialer of the alarm panel

Enable Contact ID reporting:

LED indication on Keypad	Keypad Entry	Action Description (Usually those keypads don't have display – just LEDs)
Ready: Steady Green	*8 + Inst. Code	To enter in Programming mode. (The default Installer code is 5555).
Armed: Steady Red System: Blinking Yellow	301	To enter section "First phone number".
Ready: Steady Green System: Blinking Yellow	123456*6*#	Enter actual or non-existing number (any number will do, "123456" is an example) followed by *6* (F in hex).
Armed: Steady Red System: Blinking Yellow	310	To enter section "System account code".
Ready: Steady Green System: Blinking Yellow	1234*66	Enter 4-digit account number to receive the events from ("1234" is an example) and close it with *66 in hex.
Armed: Steady Red System: Blinking Yellow	311	To enter section "Partition 1 account code"
Ready: Steady Green System: Blinking Yellow	1234	Enter 4-digit account number to receive the events from ("1234" is an example).
Armed: Steady Red System: Blinking Yellow	350	To enter section "Communicator Format Options"
Ready: Steady Green System: Blinking Yellow	03#	03 is for Contact ID.
Armed: Steady Red System: Blinking Yellow	351	Alarm/Restore Communicator Call Directions for partition 1
Ready: Steady Green System: Blinking Yellow	1,5#	Toggle 1 to ON to enable Alarm/Restore reports. (if Zone 1 on the keypad is lit – then it's ON) Toggle 5 to OFF to disable Alternate Communicator.
Armed: Steady Red System: Blinking Yellow	367	Open/Close Communicator Cell directions for partition 1 (if you have more partitions, repeat this and the next step for 368,369, 370 for partition 2,3,4).
Ready: Steady Green System: Blinking Yellow	1,5#	Toggle 1 to ON to enable Open/Close reports (if Zone 1 on the keypad is lit – then it's ON). Toggle 5 to OFF to disable Alternate Communicator.
Armed: Steady Red System: Blinking Yellow	380	To enter section "First Communicator Options Code"
Ready: Steady Green System: Blinking Yellow	1#	Toggle 1 to ON to enable communications (options 3 and 4 must be OFF).
Armed: Steady Red System: Blinking Yellow	381	To enter section "Second Communicator Options Code"
Ready: Steady Green System: Blinking Yellow	7#	Toggle 7 to OFF. The system automatically generates all reporting codes transmitted. To manually program the reporting codes in the menu 381, enable option 7 to ON and then set the desired reporting codes in menus 320 to 348.
Armed: Steady Red System: Blinking Yellow	#	Exit Programming mode.

Configuring the Keybus Functionality

Power OFF and power ON the communicator, wait for ~20 sec., and enter and exit programming mode on the panel to initiate synchronization with the panel.

OR

Log in the RControl App and press Sync with Panel and follow the instructions in the App.

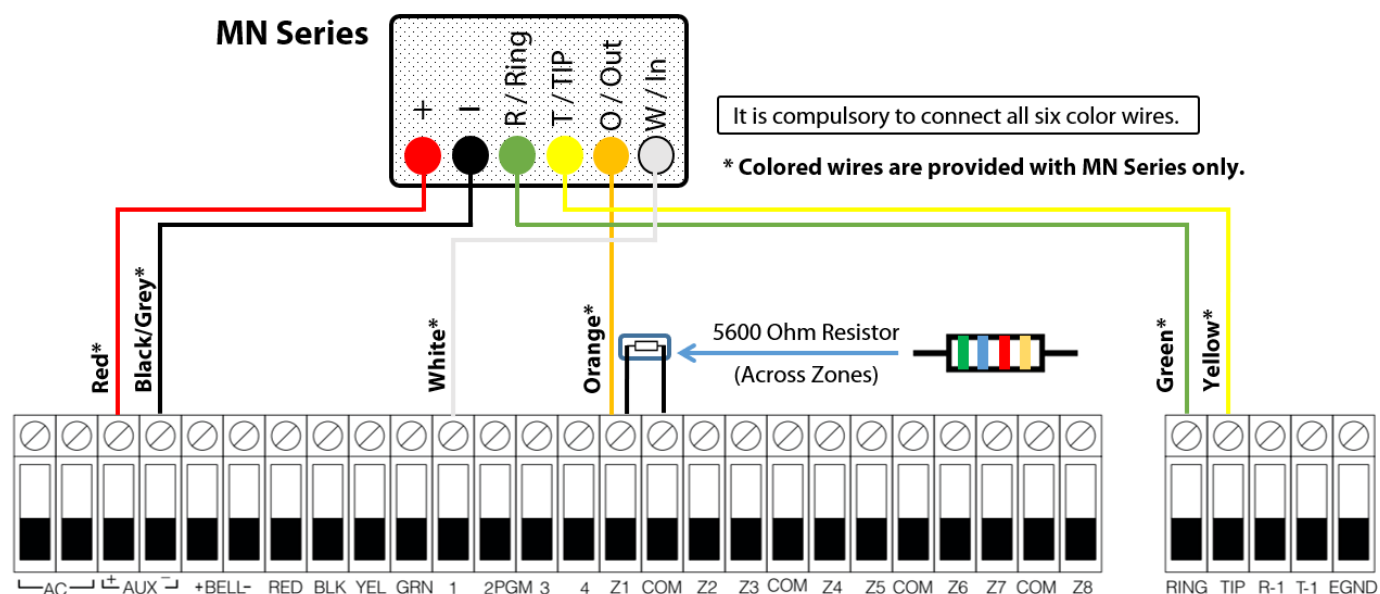
NOTE: If panel programming is changed after the initial synchronization you need to:

Go to RControl App Settings >> Remote Arming/Disarming >> Press Sync and follow the instructions in the App

NOTE: DO NOT operate the keypad during the sync process

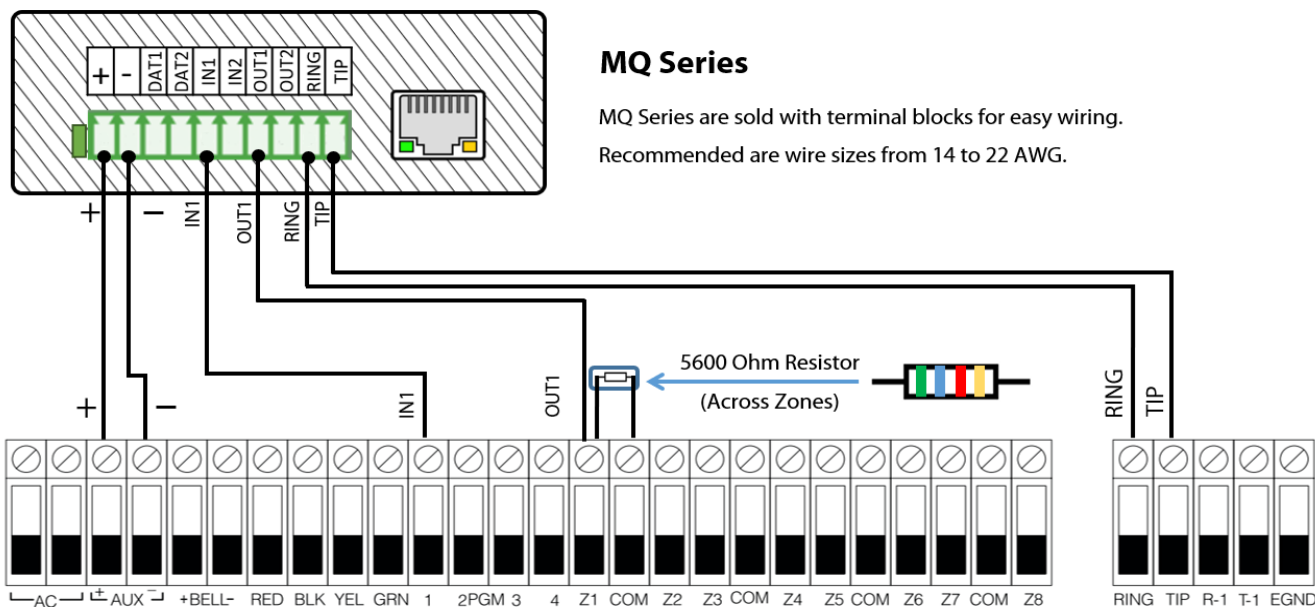
Wiring MN01, MN02 and MiNi communicator series for remote control via keyswitch* zone:

*The optional keyswitch configuration can be used for M2M communicators that do not support keybus functionality.



You do not need to configure this option if your device supports remote control via the keybus.

Wiring MQ03 communicator series for remote control via keyswitch* zone:



*The optional keyswitch configuration can be used for M2M communicators that do not support keybus functionality.
You do not need to configure this option if your device supports remote control via the keybus.

Optional Keyswitch zone and status PGM panel programming

LED indication on Keypad	Keypad Entry	Action Description
Ready: Steady Green	*8 + Inst. Code	To enter in Programming mode. (The default Installer code is 5555).
Armed: Steady Red System: Blinking Yellow	202	To section "Partition Zone Assignment"
Ready: Steady Green System: Blinking Yellow	1#	Turn ON (the corresponding LED will be lit) only the zones that you intend to use – the rest must be OFF (LEDs are dim)
Armed: Steady Red System: Blinking Yellow	001	To configure Zone 1
Ready: Steady Green System: Blinking Yellow	22#	Enter 22 to program the zone type as "Momentary Keyswitch"
Armed: Steady Red System: Blinking Yellow	013	To section "First System Option Code"
Ready: Steady Green System: Blinking Yellow	1#	1 must be OFF to set the zones to end-of-line wiring configuration
Armed: Steady Red System: Blinking Yellow	009	To section "PGM1 and PGM2 Output Programming (Main Panel)"
Ready: Steady Green System: Blinking Yellow	05#	System Armed Status - output will activate/deactivate upon arm/disarm for selected partitions.
Armed: Steady Red System: Blinking Yellow	#	Exit Programming mode.

Initial pairing procedure for Remote Arming/Disarming via Keyswitch:

- Enable Open/Close reporting (at least during the initial pairing procedure).
- Log in the RControl App and press Sync with Panel
- Ask the end user to enter a Remote PIN code of his/her choice.
- Disarm (or Arm) from the keypad within 2 minutes to complete the pairing.

Switching from Keyswitch to Keybus remote control

- ✓ Wire the device to the panel according to the wiring diagram for keybus remote control.
- ✓ Press the Sync with Panel button in the Settings menu of the RControl mobile app.

The device will apply the new configuration automatically.

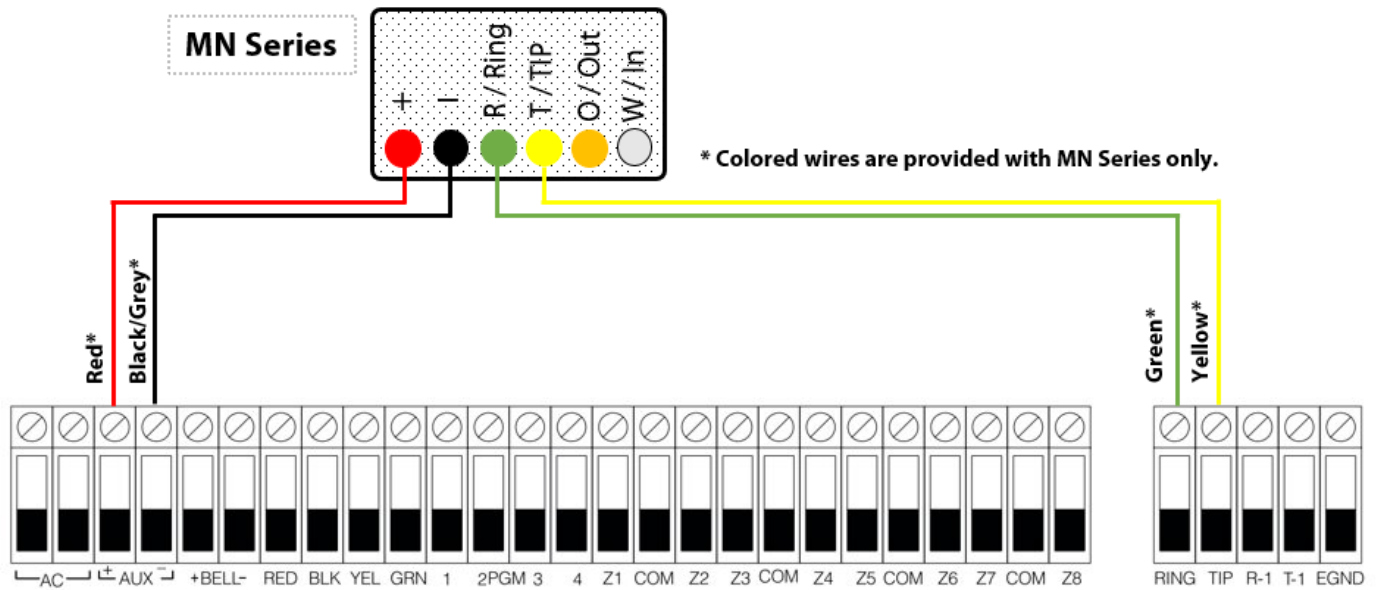
NOTE: When switching the wiring of the device, make sure that the device is not powered on.

NOTE: When synchronizing or disabling and enabling the Arming/Disarming feature from the mobile application, make sure:

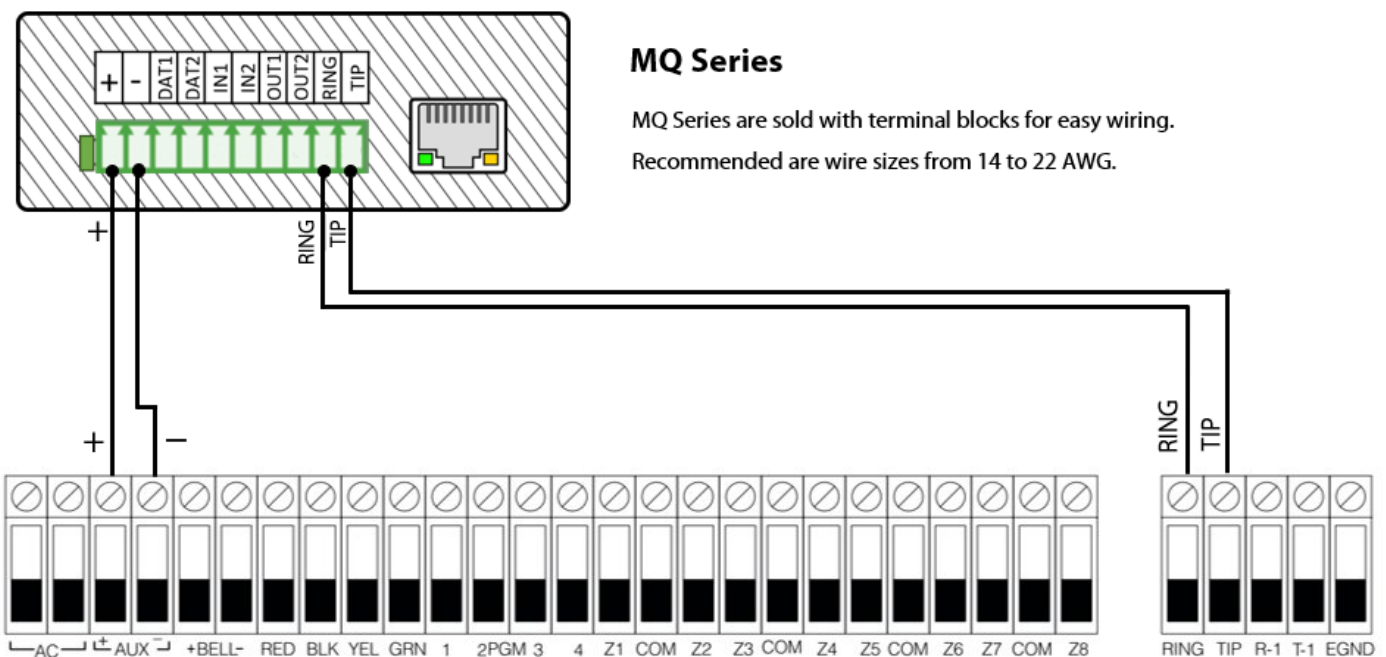
- the device is powered up and connected to the cellular network.
- the panel is not in programming menu/mode.

After enabling the Arming/Disarming feature it may take up to 1 minute for the device to apply the new configuration.

Wiring MN01, MN02 and MiNi communicator series with MN01 Ringer for UDL



Wiring MQ03 communicator series for UDL



Programming the DSC Power 864 / PC5020 Alarm Panel via the Keypad for remote Upload/Download (UDL)

Display	Keypad Entry	Action Description
Ready: Steady Green	*8 + Inst. Code	To enter in Programming mode. (The default Installer code is 5555).
Armed: Steady Red System: Blinking Yellow	401	To enter section "First Downloading Option Code"
Ready: Steady Green System: Blinking Yellow	1,3,6#	1 and 3 must be disabled. 6 must be enabled.

Armed: Steady Red System: Blinking Yellow	403	To enter section "Downloading Access Code"
Ready: Steady Green System: Blinking Yellow	5020	Enter an Access code. (5020 is the default Access Code)
Armed: Steady Red System: Blinking Yellow	404	To enter section "Panel Identification Code"
Ready: Steady Green System: Blinking Yellow	5020	Enter a Panel Identification Code (5020 is the default Panel ID Code)
Armed: Steady Red System: Blinking Yellow	405	To enter section "Answering Machine Double-call Timer"
Ready: Steady Green System: Blinking Yellow	001	To disable double call.
Armed: Steady Red System: Blinking Yellow	406	To enter section "Number of Rings to Answer On"
Ready: Steady Green System: Blinking Yellow	001	Set the panel to answer on the first ring.
Armed: Steady Red System: Blinking Yellow	#	To Exit Programming Mode.