Wiring

M2M's MN / MQ Series
Cellular Communicators
to

Honeywell

Vista 50P

and
Programming the Alarm Panel

CONTENT

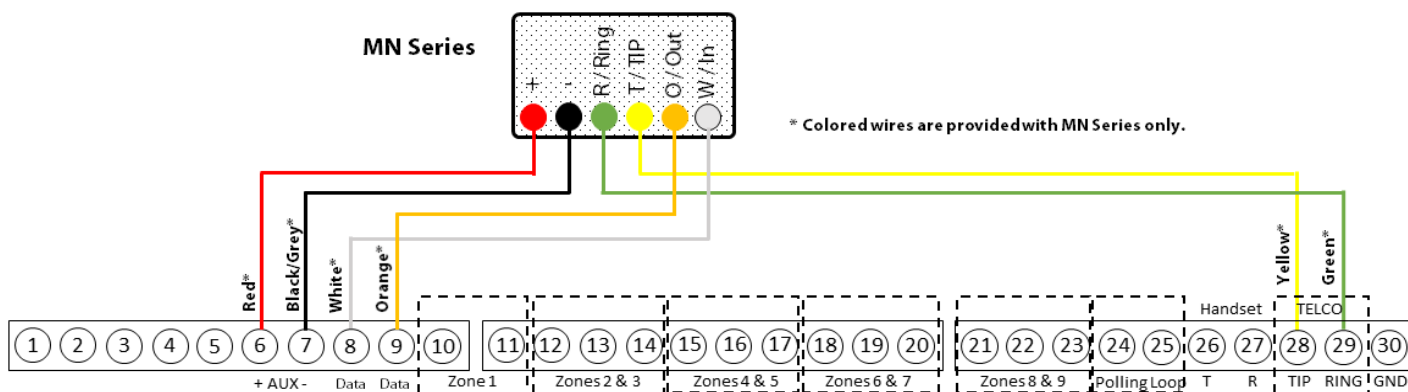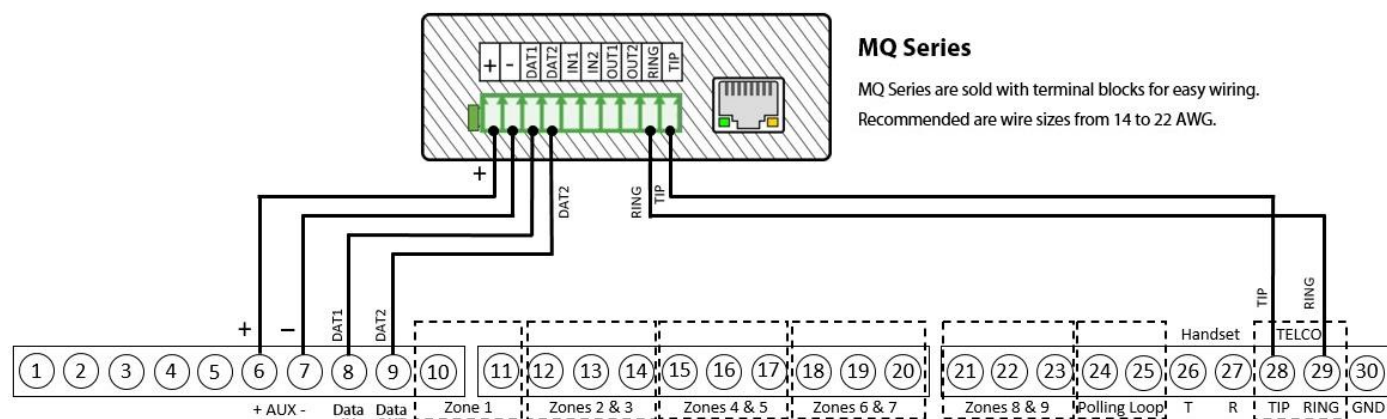**CAUTION:**
- **It is advised that an experienced alarm installer programs the panel as further programming may be required to ensure proper performance and use of the full functionality.**
- **Do not route any wiring over circuit board.**
- **Full panel testing, and signal confirmation, must be completed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

Keypad Display	Keypad Entry	Action Description
Disarmed	4140,8,00	To enter programming mode.
Program mode	*30, 1	To select Touch tone for dialing method.
PABX	*32	To go to "Primary subscriber Account #".
Prim.Subs. Acct#	01, 02, 03, 04	Enter desired account number (in HEX). 1234 is just an example.
Primary Phone	*33	To start configuring primary phone number.
Primary Phone	123456*	Enter desired phone number (123456 is an example). Press * to save.
Enter Fill Field	*45	To go enter field "Primary format".
Primary format	1	1 is the value for Contact ID.
Low Speed Format	*81, 01, 01, *	To enable Open/Close reports.
Enter Fill Field	*94	To enter Alt Program Mode.
Alt Program Mode	*40, 01, *	To enable Stay Arm reports.
Enter Fill Field	*99	To exit Alt Program Mode.
Enter Fill Field	*99	To exit programming mode.

Programming an Alpha Keypad Address for Keybus:

Keypad Display	Keypad Entry	Action Description
DISARMED	4140,8,00	To enter Programming Mode.
Program Mode	#93	To go to "Menu Mode"
Zone Prog. ?	0 … 1	Press 0 until "Device Prog." is shown. Press 1 to enter.
Device Address 01-30, 00=Quit	21*	To enter Address 21
21 Device Type	1*	To select Alpha Keypad Console
21 Console Part.	1*	To assign the Alpha Keypad Console to Partition 1
21 Sound Option	*	Press * to exit from Device Address 21 .
Device Address 01-30, 00=Quit	22*	To enter Address 22 **Note: This Address is optional – if 2nd partition is used**
22 Device Type	1*	To select Alpha Keypad Console
22 Console Part.	2*	To assign the Alpha Keypad Console to Partition 2
22 Sound Option	*	Press * to exit from Device Address 22 .
Device Address 01-30, 00=Quit	00*	To exit the Device Address menu.
Quit Menu Mode ? 1=YES 0=NO	1	To exit Menu Mode.
Program Mode	*99	To exit Programming Mode
		Note: The Vista 50P supports up to 8 Partitions. You will need to repeat the programming steps for Device Addresses 23...28 according to the number of partitions.

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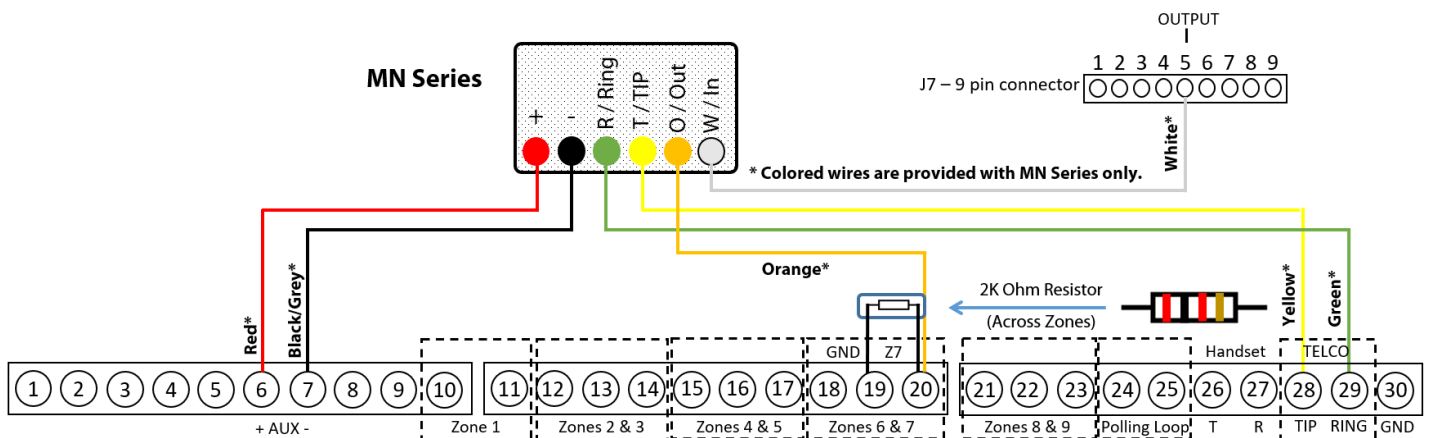
NOTE: If panel programming is changed after the initial synchronization you need to:

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

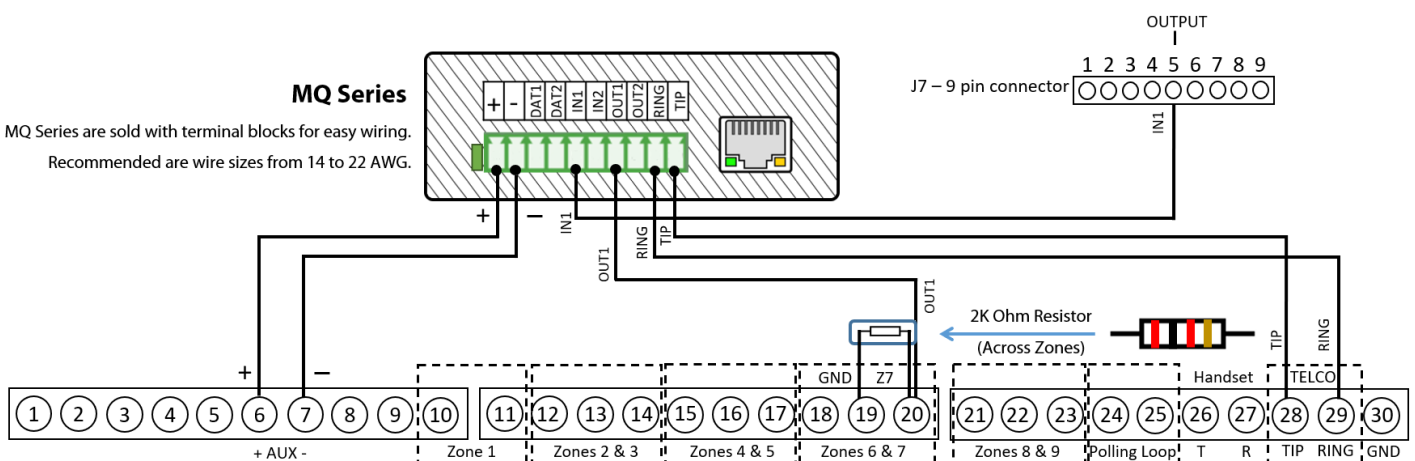**NOTE:** DO NOT operate the keypad during the sync process

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

Keypad Display	Keypad Entry	Action Description
Disarmed	4140,8,00	To enter programming mode.
Program mode	*15, 1	To assign keyswitch to partition 1 (zone 07).
Confirm. Arming Ding	*40, 1	To enable Open/Close reports for Keyswitch.
Normally closed or EOLR	*94, *94	Press *94 until "200" is shown in the lower right corner.
Alt Program Mode	*20, 1	To configure pin 5 on J7 connector to follow Keyswitch RED behaviour.
Superv. Pulses For LRR	*99	Press *99 until you 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.
- ✓ Program an Alpha Keypad Address according to the programming steps. (Page 4)
- ✓ 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.