

INSTALL RADIO COMMUNICATION TO PANEL

9-1 INSTALLING A RADIO COMMUNICATOR TO THE VISTA 20P PANEL

1- Carefully select a location for the IGSMV-4G radio communicator (Cellular & IP connection) Typical locations are above the Vista Panel itself, but this will depend on a few key factors-

- a) Cellular signal at radio location - If you have decent cellular reception on your mobile phone, typically you will have no issues, and are clear to proceed with radio install.
- b) Internet accessibility - The IGSMV-4G has the ability to be connected to a network for reporting redundancy and increased security. Keep this in mind when choosing a location. If you want to connect your system the BEST way possible, you will be routing a CAT-5e wire from your network to the IGSMV-4G itself.
- c) Serviceability vs. security - If you have a residence, consider keeping the radio at a location where it will be easier to access and service in the future. If you have a warehouse that stores valuable merchandise, consider keeping the communicator at a higher secure location out of sight.

2- Open the box and packaging for the IGSMV-4G communicator and save all parts, manuals and packaging for future reference. The included transformer (40VA) will be used instead of the smaller 25 VA included with your Vista 20P panel.

3- Mark the location of the 4 mounting holes with a pencil, and be sure to level the top of the communicator with a small level. If you are mounting on drywall use a 7/32" drill bit and very carefully drill the 4 mounting hole locations and insert 4 drywall anchors. The depth of the drywall should be the depth you drill, as there can be many unseen hazards in the wall cavity itself including electrical, plumbing and mechanical dangers. If you are mounting the radio to a plywood or other surface, anchors are typically not required. Using 3/4" or 1" #8 screws, carefully fasten the IGSMV-4G to the desired mounting wall.

4- Attach the battery leads included in the packaging to the supplied 3.1 ah battery. Red wire gets installed to the red (+) terminal and the black lead gets connected to the black (-) terminal of the battery. Press the connectors firmly onto the battery tabs and slide the battery down into the battery area of the communicator.

continued...

INSTALL RADIO COMMUNICATION TO PANEL

9-2 INSTALLING A RADIO COMMUNICATOR TO THE VISTA 20P PANEL- continued.

5- The IGSMV-4G radio communicator requires 3 wires to be routed to the communicator, one for AC power, one for keypad BUS and one for IP (internet).

6- Power - From the Vista 20P panel, route 18/2 (2 conductor solid wire, insulated and UL listed) to the radio. The radio communicator AC input will receive its power from the Vista 20P terminals 1 & 2. Power the Vista 20P from the transformer included with the IGSMV-4G. This transformer will feed the Vista panel, and the radio will receive power from the Vista. (See diagram 9-3)

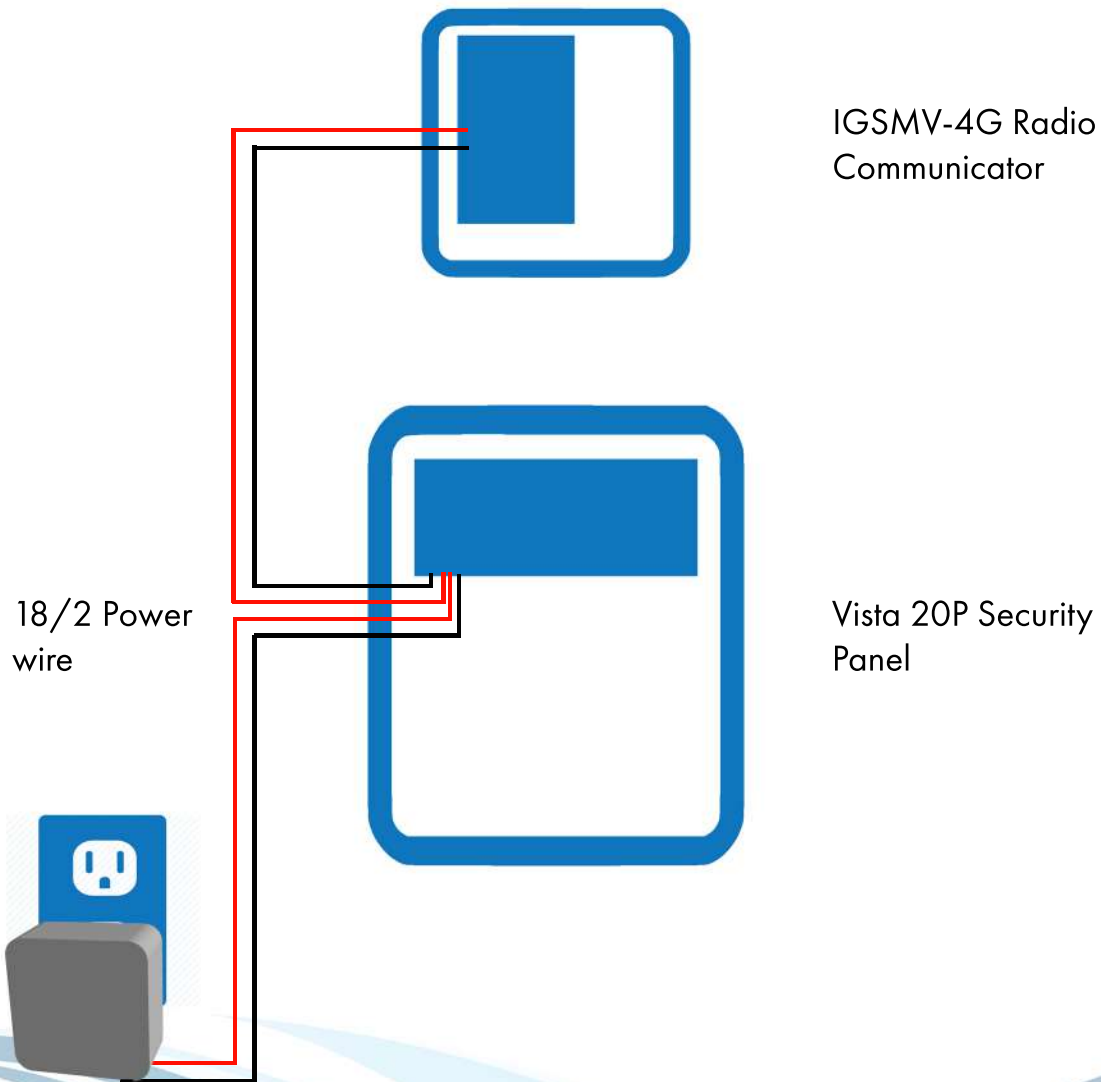
7- Keypad BUS - From the Vista 20P panel, route 22/4 (4 conductor solid wire, insulated and UL listed) to the IGSMV-4G radio and connect to the keypad bus terminals 3,4,5 & 6 on the radio PC board. NOTE: on the Vista panel the keypad BUS is connected to 4- Black, 5- Red 6- Green, 7- Yellow however on the radio itself the keypad BUS is connected to terminals 3- Red, 4- Black, 5- Yellow and 6- Green. (See diagram 9-4)

8- Internet - From the network connection in your residence or business (Modem, router or switch) route a CAT5e ethernet cable to the IGSMV-4G. Use pre-terminated cable for easy connection or use the appropriate termination tool and connectors.

9- The Radio will be powered up when the panel itself powered up and you are ready to program. At this time plug in the small black battery connector and leave the radio cover off until you are finished with all remaining steps.

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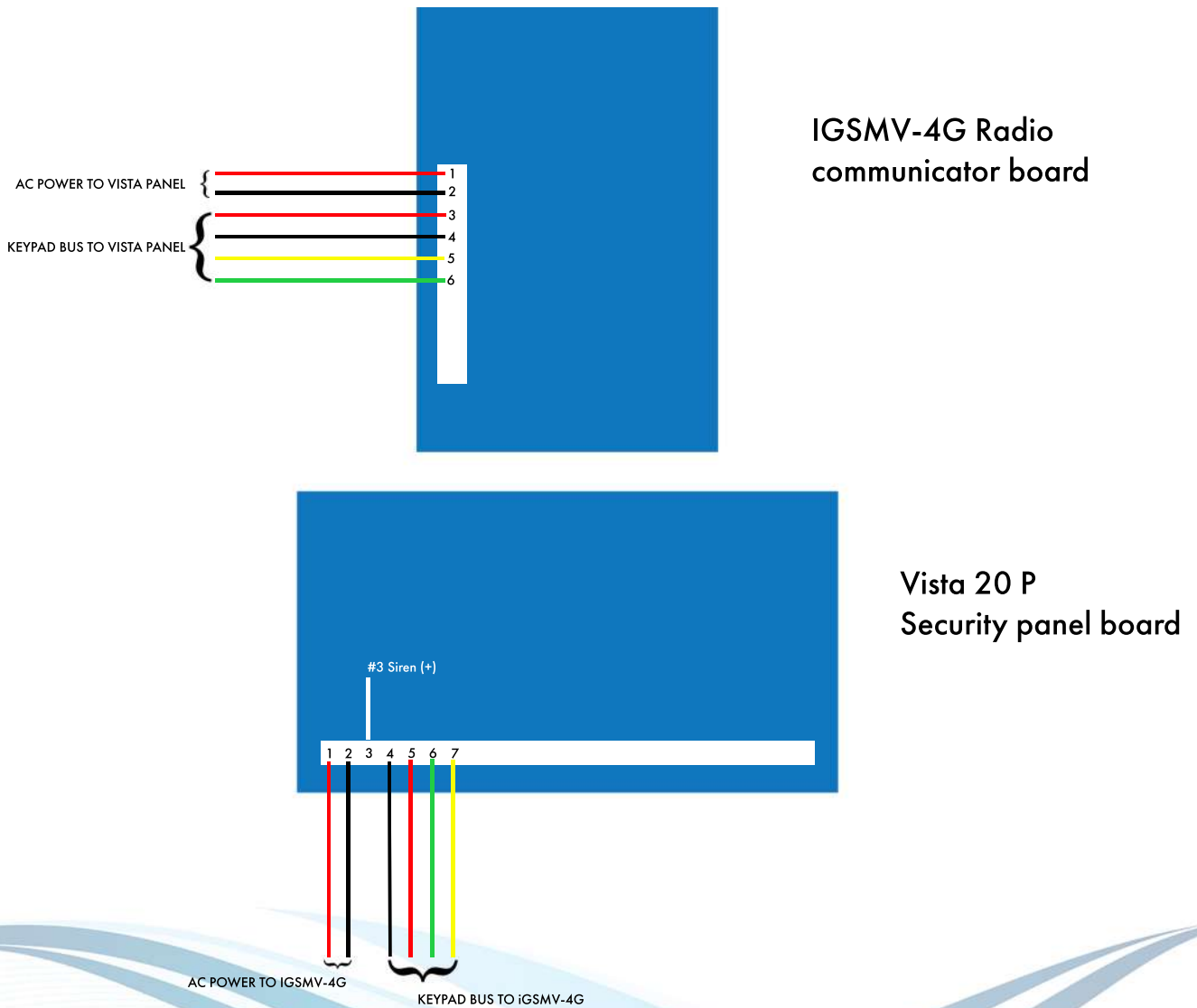
9-3 INSTALLING A RADIO COMMUNICATOR TO THE VISTA 20P PANEL - Power



See 9-4 for detailed connections

INSTALL RADIO COMMUNICATION TO PANEL

9-4 INSTALLING A RADIO COMMUNICATOR TO THE VISTA 20P PANEL - Keypad BUS



PROGRAM SECURITY SYSTEM FOR OPERATION

10-1 PROGRAMMING THE VISTA 20P

To enter the programming mode, plug in the transformer to the outlet that will power the security system and connect your backup battery to the red (+) and black (-) leads from the circuit board. IMPORTANT - after powering up , within 30 seconds press and hold the 1 & 3 buttons on the main 6160 alpha numeric keypad. you will need to change the default keypad address from 31 to 16 see 10-5 for instructions..

To enter programming press "4 1 1 2 8 0 0" on the keypad you addressed as 16. press *20 then enter a unique 4 digit code then # and document here-

DO NOT LOSE THIS CODE, OR YOU WILL NOT BE ABLE TO USE THE SYSTEM LATER after you press the # following the 4 digit code you will hear 3 dings, taking you to the next "field" of programming. *20 is the first field, then it takes you to 21,22,23...

- | | |
|---|---|
| *21- Press 1,1 (3 dings and proceeds to next) | *40- Press *40* (3 dings) |
| *22- Press 0 (3 dings) | *41- No entry, Press *42 |
| *23- Press 1,0 (3 dings) | *42- Press *42* (3 dings) |
| *24- Press 00,00,00 (3 dings) | *43- Press 4 digit account # _ _ _ _ *(3 dings) |
| *26- Press 0,0 (3 dings) | Press *44* (3 dings) |
| *27- Press 0 (3 dings) | Press *45* (3 dings) |
| *28- Press 0,0 (3 dings) | Press *46* (3 dings) |
| *31- Press 0 (3 dings) | *47- Press 1 (3 dings) |
| *32- Press 0 (3 dings) | *48- Press 7,7 (3 dings) |
| *33- Press 2 (3 dings) | *49- Press 0 (3 dings) |
| *34- Press 60,00 (3 dings) | *50- Press 0 (3 dings) |
| *35- Press 30,00 (3 dings) | *53- Press (3 dings) |
| *36- Press *36* (3 dings) | *54- Press 2 (3 dings) |
| Press *37- Press 0,0 (3 dings) | *55- Press 1 (3 dings) |
| *38- Press 0,0 (3 dings) | *59- Press 0 (3 dings) |
| *39- Press 1 (3 dings) | *60- Press 1,0 (3 dings) |

Continued...

PROGRAM SECURITY SYSTEM FOR OPERATION

10-2 PROGRAMMING THE VISTA 20P -Continued.

- * 61- Press 0,0 (3 dings)
- * 62- Press 0,0 (3 dings)
- * 63- Press 1,0 (3 dings)
- * 64- Press 1,0 (3 dings)
- * 65- Press 0,0,0 (3 dings)
- * 66- Press 00,00,00 (3 dings)
- * 67- Press 1,0 (3 dings)
- * 68- Press 0,0 (3 dings)
- * 70- Press 1 (3 dings)
- * 71- Press 1,0 (3 dings)
- * 73- Press 0,0 (3 dings)
- * 74- Press 1,0 (3 dings)
- * 75- Press 1,0 (3 dings)
- * 76- Press 0,0 (3 dings)
- * 77- Press 3#11 (3 dings)
- * 78- Press 2,1 (3 dings)
- * 84- Press 0 (3 dings)
- * 85- Press 0 (3 dings)
- * 86- Press 0 (3 dings)
- * 87- Press 0 (3 dings)
- * 88- Press 0 (3 dings)
- * 89- Press 0,0 (3 dings)
- * 90- Press #15 (3 dings)
- * 91- Press 0 (3 dings)
- * 92- Press 0,0 (3 dings)
- * 93- Press 2 (3 dings)
- Press *94* (3 dings)
- * 95- Press #15 (3 dings)

Programming Variables:

Total # of keypads

- 1- No additional programming needed
- 2- Press * 190- Press 1,0 - Address second keypad as 17, primary keypad is always 16.
- 3- Press * 190- Press 1,0 - Address second keypad as 17, primary keypad is always 16., then press * 191- Press 1,0 - Address third keypad as 18, the primary keypad is always 16.

Fire System ?

If you have Smoke, Heat, Flood, Temperature or any Carbon Monoxide detectors you **MUST** program the following for correct operation-

Press *70- Press 1 (3 dings)

PROGRAM SECURITY SYSTEM FOR OPERATION

10-3 PROGRAMMING THE VISTA 20P -Continued.

Programming the cellular/IP radio communicator through the keypad

Press *29- Enable IP/GSM press 1, *

Shown- 1= Prog press (1)

Shown- IP & GSM press (#)

Shown - Device mode ECP Press (#)

Shown- Primary city- enter __ (#)

Shown- Primary CS- enter ___ (#)

Shown- Primary Sub ID - enter ____ (#)

Shown- En. 2nd CS

Shown- Direct wire Y/N - enter (#)

Supervision- 24 hrs - Press A (Top blank button to left of (1 / Off button)

-The blank buttons are referred to as follows- top A, 2nd button B., 3rd button C, 4th button D.

After you press "A" shown = 30 day press (#)

Shown- GSM Rollover- Press (3)

Shown- Old alarm time- press "A" button

Shown- 24 HRS Press (#)

Shown- IP Fault time - press 9, 9 #

Shown- GSM fault time - press 9, 9 #

Shown- Notify panel of neither fault - press (#)

Shown- FLT Rel ON Y/N - press (#)

Shown- PWR Loss Report Press "C" button (3rd blank button down) then press (#)

Shown- Low battery report Y/N press #

Shown- Tamper report Y/N press "C" button , then press (#)

Shown- Enable Zn 6 Y/N press (#)

Shown- Enable Zn 7 Y/N press (#)

Shown- Use DHCP Y/N press (#)

Shown- Enable power save press (#)

continued...

PROGRAM SECURITY SYSTEM FOR OPERATION

10-4 PROGRAMMING THE VISTA 20P -Continued.

Programming the cellular/IP radio communicator through the keypad

Shown- IP connection present- Press "A" button - Auto Detect then press #

Shown- Review? Press #

Press *29

Press 1 "Enable IP/GSM" then press * star

Shown 1= Prog 2= Diag press 2

Press D, then B (Bottom blank button and then second button down)

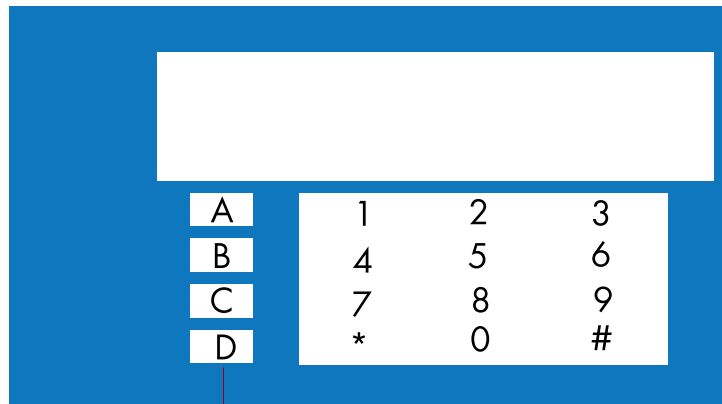
Shown "Registering"

Press D, then A to exit (Bottom blank button and then top blank button)

PROGRAM SECURITY SYSTEM FOR OPERATION

10-5 PROGRAMMING THE VISTA 20P -Continued.

6160 / 6160 RF
Alpha keypad



A, B, C, D Buttons on 6160 Keypad

Changing keypad address:

Immediately after powering up the security system, within 30 seconds, press the 1 & 3 buttons together, then press 1,6, then * This changes the keypad default address from 31 to 16, which is necessary for programming.