**PRODUCT APPLICATION NOTE**

Manufactured by RSI Video Technologies                    December 2011

**The** RSI Video Technologies XT610 series control panels have the ability to be armed and disarmed by latching 9-12v to the arming inputs as well as two programmable outputs. Using these three functions you are able to have one XT610 panel arm and disarm another XT610 panel.

Required Products:

2 - XT610 series control panel

2 - CMA601 Alphanumeric keypad

1 - Electronic Toggle/Ratchet Relay

1 - 12v DC 2amp Power Supply

When installing this type of application a basic knowledge of relays is needed.

Panel configuration is very important in this application. There will be two XT610 control panels, below are the configuration requirements.

## PANEL 1 - CONFIGURATION STANDALONE (HOST)

This panel must be set for STANDALONE mode for arming and disarming. This mode will allow the panel to be armed and disarmed by Videofied peripherals or by a schedule.

In order to control the SLAVE panel you must also configure both programmable outputs (see General Output Configuration.pdf)

Output 1 Configuration:

     Status: Enabled

     Length Activ.: 5 sec

     Event Type: System Armed

     Output Name: Arming
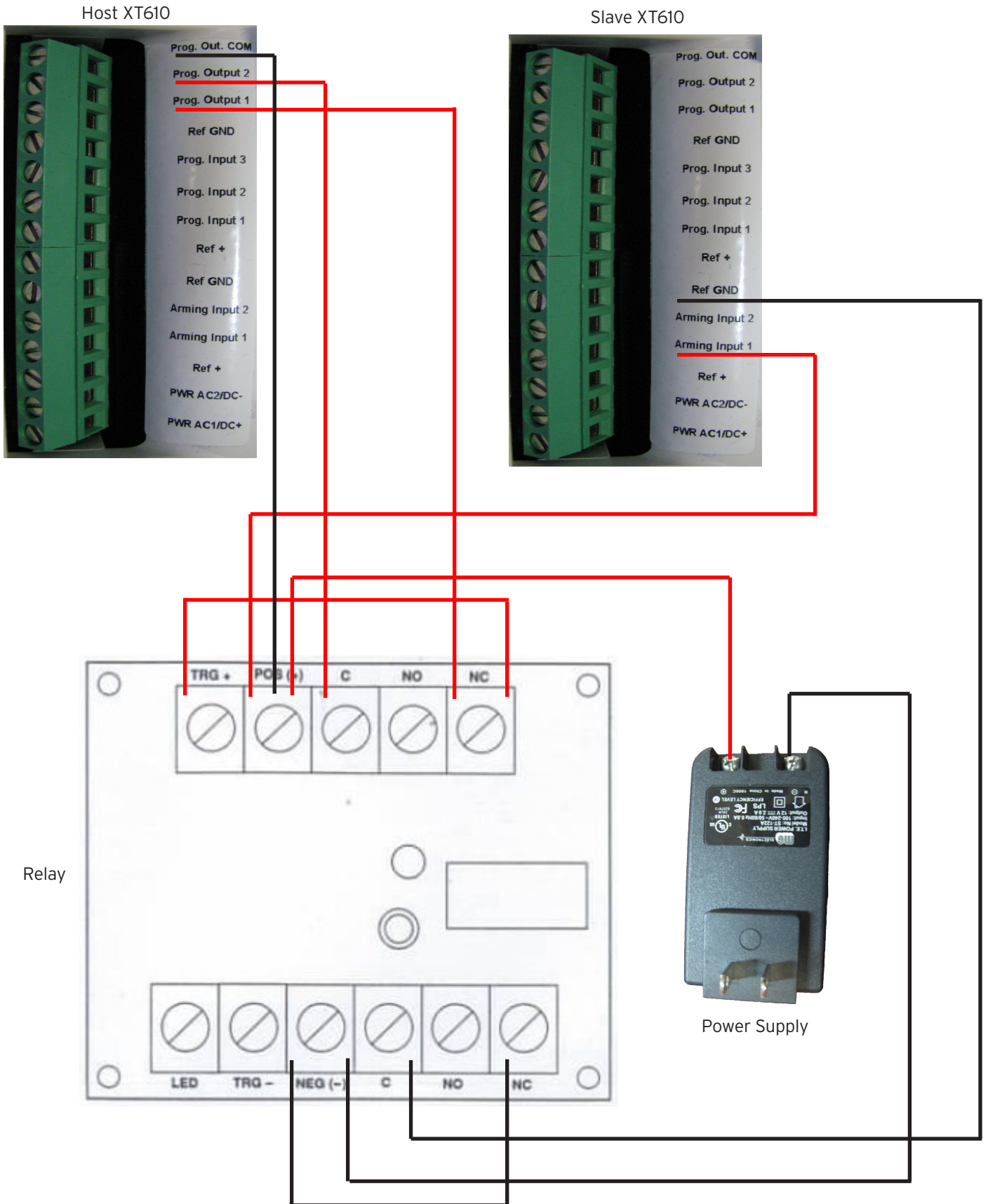
Output 2 Configuration:

     Status: Enabled

     Length Activ.: 5 sec

     Event Type: System Disarmed

     Output Name: Disarming

## PANEL 2 - CONFIGURATION ARM FROM HOST (SLAVE)

This panel must be set for ARM FROM HOST mode for arming and disarming. This mode will set the panel so when it sees 12v on the arming inputs it will arm, when that voltage is taken away the system will disarm.

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# Wiring Diagram



Host XT610

Slave XT610

Prog. Out. COM
Prog. Output 2
Prog. Output 1
Ref GND
Prog. Input 3
Prog. Input 2
Prog. Input 1
Ref +
Ref GND
Arming Input 2
Arming Input 1
Ref +
PWR AC2/DC-
PWR AC1/DC+

Relay

TRG +   POS (+)   C   NO   NC

LED   TRG −   NEG (−)   C   NO   NC

Power Supply

# FAQ

Q:  What model ratchet/toggle relay do you recommend?

A:  During our testing we used an Altronix RBR1224

Q:  How do you know when the 'SLAVE' system is armed?

A:  The keypad for the slave system will change the display to PART LVL #
where # is the current user level the system is in when it arms

Q:  How long can the wire run between panels be?

A:  The wire length is different depending on the guage of wire.   With 18
guage wire you can run about 50' feet between the panels.  As the guage
gets thinner you will need to decrease the distance accordingly.

Q: Can you piggyback more than one XT?

A:  Yes, you would need to set up the outputs on the first SLAVE system
exactly like the Outputs on the HOST system but still have it programmed in
the ARM FROM HOST mode.