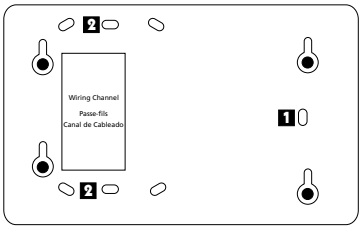
# NT9201

## Remote Sounder Intallation Instructions



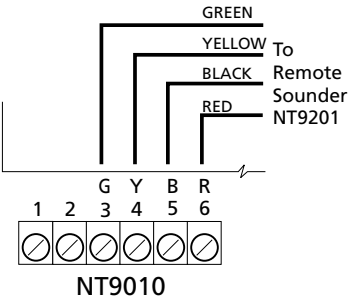

**1** After removing the top plastic housing and the printed circuit board, secure the back plastic housing to the mounting surface using this slot and a screw provided.

**2** Place a screw in either of the slots to the left or to the right of 2, in both the top and bottom locations. Once this is done and the unit is securely fixed to the mounting location, please replace the printed circuit board and the top plastic housing.

### Connecting the Remote Sounder

You can connect a hardwired remote sounder to the NT9010 system. This sounder provides an additional station for the NT9010 to sound alarms, to give system status, and to allow central station talk/listen-in sessions.

Connect the remote sounder to the NT9010 control unit as shown. The NT9201 can be connected up to 500ft (152m) away from the NT9010 using 22awg **shielded cable**.




For the sounder to work on the system you must turn on the **Remote Annunciation** option (section [017], option 5). When this option is turned on, the remote sounder will also be supervised. If the NT9201 does not report a supervisory signal within 30 seconds, a "Remote Bell Trouble" will be generated and logged in the event buffer.

See also ***2.3.13 Talk/Listen-in Programming*** from the ***NT9010 Installation Guide***.

### Connecting an Additional Sounding Device

The NT9201 has an on board 50mA output. This dedicated output follows the sounder activation. Therefore, when the sounder is active the output switches on and when sounder is idle the output is off. This output is useful for applications where an external siren is required. To connect an additional siren, separate power supply and relay are required.

The following are the part numbers to order the Power Supply, Relay and associated equipment to drive the siren.

PS1520, 1.5A Power Supply ..... 80020016

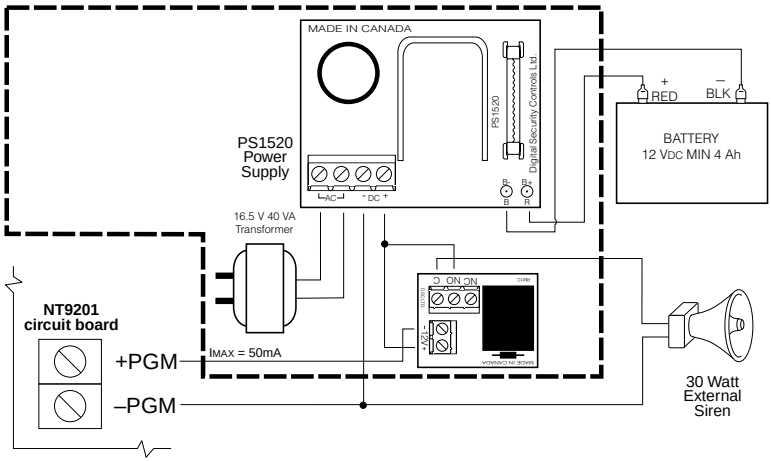
RM1/RM1C Relay ..... 80020113 (US)
..... 80020005 (Can)
..... 80020151 (Int'l)

16.5V, 40VA Transformer ..... 88014222 (US)
..... 88014218 (Can)

240V Transformer ..... 17000044 (Int'l)

12V, 4Ah Rechargeable Backup Battery ..... 88008002 (US)
..... 88000002 (Can/Int'l)

Please consult the following connection diagram on the back of this sheet for wiring information:




If the PS1520 and RM-1C are remotely located from the siren, the table shows maximum wire length and expected end-of-line siren voltage for different wire gauges (assuming a 12V, 30W siren). Doubling the wires will double the wire length.

## Maximum Wire Length as a Function of Wire Gauge and EOL Siren Voltage

| Wire Gauge | Siren Voltage: 11 | 10 | 9 | 8 | 7 | 6 |
|---|---|---|---|---|---|---|
| | *Run Length (feet/meters)* | | | | | |
| 20 awg | 45/14 | 90/27 | 135/41 | 180/55 | 225/68 | 270/82 |
| 22 awg | 28/9 | 56/17 | 84/25 | 112/34 | 140/43 | 168/51 |
| 24 awg | 18/5 | 35/11 | 53/16 | 71/21 | 88/27 | 106/32 |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