

Home Nurse Call System

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NC-20 Series

- ◆ Instant alarm
- ◆ Signaling device
- ◆ Self contained
- ◆ Local alarm and flashing LED
- ◆ 2 Form C relays
- ◆ Microprocessor controlled
- ◆ Low battery indicator



NC-20
NC-21 Instant On

APPLICATION:

The NC-20 Series is designed as a signaling device for use as a self contained Home Nurse Call System. The GRI Model NC-20 will sound a local alarm and flash LED indicator, should anyone press the supplied (GRI CB-20) Call Button. The GRI NC-20 is also equipped with a form C relay output connections for use with external signaling devices.

DESCRIPTION:

The GRI Home Nurse Call System uses a microprocessor to monitor the open loop momentary push button (Call Button), the reset/cancel button, the supply voltage and provides control for sounder, LED and relay outputs. The Nurse Call System is set to alarm the instant the Call Button is depressed. Other features for the NC-20 would include and adjustable sounder volume, power/alarm LED indicator, low battery indicator and (2 form C relay) contacts for control of external devices.

The NC-20 and NC-21 have two form C relay contacts that will close or open on alarm for signal output. On the NC-20, once the alarm sounds, you will have a 60 second delay before tripping the relays so the caregiver has time to reset the alarm before the other device, such as a security control, phone dialer or remote sounder, is triggered. On the NC-21 the alarm sounds and the relays trip, so the caregiver can respond as soon as the button is pushed. This allows for other devices to be tripped, such as remote sounder, light or control panel in another location to inform the caregiver of the patient's needs. This give you two options; 60 second delay with the NC-20 and the instant on with the NC-21 to interface with up to two other devices at the same time as needed.

WARRANTY: One year warranty against workmanship, material and factory defects.

GEORGE RISK INDUSTRIES, INC.
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Made in U.S.A.

C_SS 15 Nurse Call NC-20

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Home Nurse Call System

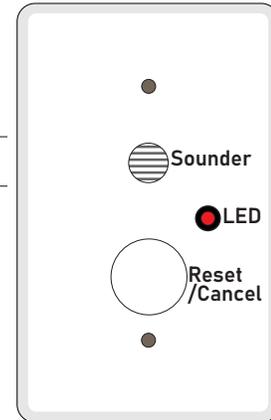
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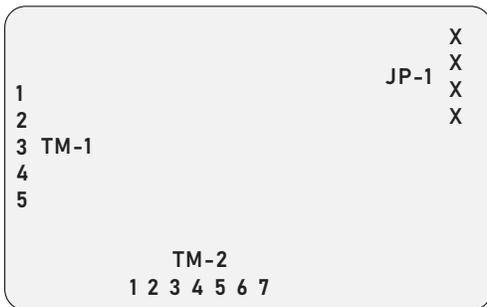
NC-20
& NC-21

INSTALLATION WIRING DIAGRAM for multiple call buttons

If more than one Call Button is used, the switches should be connected in parallel.



TERMINAL CONNECTIONS AND JUMPERS



| TERMINAL BLOCK TM1 | | JUMPER / NO JUMPER | |
|--------------------|---------------------------|--------------------|-------------|
| 1 | External Power (+) | X | Full Volume |
| 2 | Ground | X | |
| 3 | Remote Reset/Delay Switch | X | |
| 4 | Call Button - | X | 3/4 Volume |
| 5 | Call Button + | X | |
| | | X | |
| TERMINAL BLOCK TM2 | | JUMPER / NO JUMPER | |
| 1 | Relay N/O | X | 1/2 Volume |
| 2 | Relay Common | X | |
| 3 | Relay N/C | X | |
| 4 | Relay N/O | X | 1/2 Volume |
| 5 | Relay Common | X | |
| 6 | Relay N/C | X | |

It is suggested that applied voltage not exceed 15 VDC and surge protection, such as the GRI SC-1 Current Sensor, be used between the power supply and all GRI Low Voltage Alarms using eternal power.

NOTE: Unit will function at minimum 5VDC at a very limited sounder volume. This power level is considered total battery failure.

SPECIFICATIONS

| | | | |
|----------------------------|--------------------------------|----------------------------|----------|
| Battery Type | Standard 9 Volt | Relay Contacts | |
| Battery Life | Approximately 3-6 months | Nominal Switching Capacity | 2A 30VDC |
| External Power | 9 to 12 VDCa | Max Switching Power | 60 Watts |
| Max. Input Power | 40 mA | Max Switching Current | 2 Amps |
| Recommended External Power | 12V DC 500 mA Regulated Output | | |
| Low Battery Mode | 6.5V DC | | |
| Sounder Rated | 85 dB at 10 ft. (3.5 M) | | |
| Switch | Open Loop | | |

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