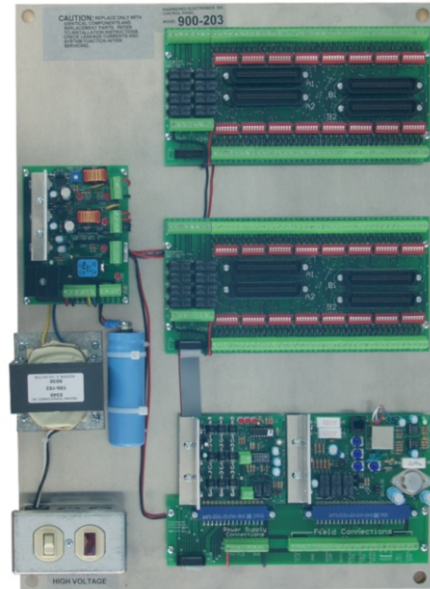


# ENGINEERED ELECTRONICS, INC.

## VISUAL AND AUDIOVISUAL CONTROL PANEL 900-203

### FEATURES

- \* REGULATED 24VDC POWER SUPPLY
- \* FOUR LEVEL FLASHER
- \* MAINTAINED COMMON ALARM CONTACTS
- \* 80 POSITIONS TERMINAL BOARD
- \* 8 FIELD SETABLE ZONES
- \* OPTIONAL AMPLIFIER FOR AUDIO SYSTEMS



### GENERAL DESCRIPTION

THE ENGINEERED ELECTRONICS MODEL 900-203 CONTROL PANEL IS THE POWER SOURCE AND CENTRAL TERMINATING LOCATION FOR THE DS-2000 NURSE CALL SYSTEM. ALL FLASH RATES AND TONES ARE FUNCTIONS OF THIS UNIT.

### ENGINEERS' SPECIFICATIONS

- (1) The equipment described shall be manufactured and assembled entirely in the United States of America.
- (2) There shall be separate circuit boards for the Power Supply, Flasher, Terminal Board and optional Amplifier. Replacement of any board shall be possible without the use of any special tools for ease of maintenance.
- (3) There shall be an AC power Switch with power on indicator.
- (4) The power source shall be a 24vdc switcher power supply with built-in current limiting of 3amps. There shall be a 3amp resettable fuse for output to field wiring, and a 3amp resettable fuse for output to console control.
- (5) The Power Supply shall have LED indicators showing status of supply voltage, 24 vdc to Field voltage, and 24 vdc to Master Voltage.
- (6) The control shall be designed to function as an Audio/Visual system by inserting an optional modular type amplifier board. The Amplifier shall include separate Volume Controls for handset talk, handset listen, and panel speaker. There shall also be a separate control for Amplifier gain.
- (7) The Flasher shall provide 4 levels of call signaling to Accommodate Normal Patient Calls and 3 levels of Emergency Calls.
- (8) The Flasher shall have a set of Dry Contacts, which shall be settable for either normally open or normally closed operation.
- (9) The terminal board shall provide 80 individual screw terminals for point wire termination, 8 Zone outputs, field settable in-groups of 5 positions, and Interconnect Cable plugs for connecting to Master / Annunciator.
- (10) The control panel shall come from the factory a complete assembly and should require only field wire connections to make the system functional.
- (11) The 900-203 Control panel shall conform to Underwriter's Laboratory (UL 1069).



## **STANDARD EQUIPMENT**

|         |                 |         |             |
|---------|-----------------|---------|-------------|
| 500-158 | POWER SUPPLY    | 500-174 | MOTHERBOARD |
| 500-170 | FLASHER CONTROL | 100-193 | TRANSFORMER |
| 500-172 | TERMINAL BOARD  | 100-180 | CAPACITOR   |
| 100-790 | POWER SWITCH    |         |             |

## **OPTIONAL EQUIPMENT**

|         |           |
|---------|-----------|
| 500-175 | AMPLIFIER |
| 100-884 | CABINET   |

## **DRAWING AND INSTRUCTIONS**

|         |   |
|---------|---|
| 301-101 | Field wiring Visual Nurse Call System       |
| 301-102 | Field wiring Audio/Visual Nurse Call System |
| 201-101 | Field wire Connections                      |

## **DIMENSIONS**

|                 |                          |
|-----------------|--------------------------|
| 900-203 Panel   | 22" H x 16" W            |
| 100-884 Cabinet | 24" H x 21" W x 4 1/2" D |