

Troubleshooting
DS 2000
900-203

Power Supply 500-158 should have 5 LED's on.

Flasher Control 500-170 should have 3 flashing LED's.

1: All lights on at Annunciator and no power to rooms. Check power supply to see if LED 1 or LED 2 are off. Remove +24 from The field connections to see if LED come back on. Separate wires to see which positive feed has short. Hook up wires with out short. At this point look at the Annunciator to see which rooms are still lite. The short will be in one of these rooms. The main cause of this is a Call Cord crimped down in a bed frame. Connect wire back up and pull the cords one at a time in the rooms with problem. If light on station does not come on put cord back into station. If station comes on replace cord.

2. Emergency Light flashing and Buzzing with no room lights on. Remove wire from E-LOW, E-MID, or E-HIGH from field connections to see if flashing light quits and tone quits. **A positive short to any of these emergency flash rates will cause this.**

If Lights and Tone does not go away you will need to remove a transistor on the flasher to quiet panel for that flash rate.

E-LOW = Q6

E-MID = Q7

E-HIGH = Q5

If lights and tone quits you have a ghost call. Split common wires up and troubleshoot down hall wall. Yellow wire on pull stations. This could be cause by moisture, check shower rooms.

WIRING COLORS

COMMON WIRES

RED- +24
BLACK- GROUND
GREEN- ROOM COMMON
WHITE- EMERGENCY LOW
BROWN- ALL CALL
BLUE- SPARE

PATIENT STATION

CABLE	PIGTAIL	
RED	RED	+ 24
BLACK	BLUE	ROOM COMMON
WHITE	ORANGE	POINT
GREEN	BROWN	ONLY FOR ALL CALL OR 2 ND POINT

AUDIO

RED	BROWN/ WHITE STRIPE
BLACK	BROWN/WHITE STRIPE

EMERGENCY STATION

CABLE	STATION	
RED	RED	+24
WHITE	YELLOW	EMERGENCY LOW
BLACK	ORANGE	POINT

DOME LIGHT

PIGTAIL	
RED	+24
ORANGE	POINT TO PANEL
BLACK	GROUND
WHITE	POINT FROM PATIENT STATION
WHITE/RED	POINT FROM EMERGENCY 1 ST OVERRIDE
WH/GREEN	POINT 2 RD OVERRIDE NOT USED 900-152
WH/YELLOW	POINT 3 RD OVERRIDE NOT USED 900-152

VISUAL WIRING

COMMON WIRES FROM DOME LIGHT TO DOME LIGHT

We suggest running common wires from dome to dome down one side and stopping at the end of hallway. Then come down the other side with another set of commons.

ONE AND TWO LAMP DOME LIGHT- 4 cond. 18 awg dome to dome. Point wire 2 cond. 22 awg home run from dome to control panel.
Stations 900-151, and 900-152.. *Drawing 103-001

THREE AND FOUR LAMP DOME LIGHT- 6 cond. 18 awg. dome to dome. Point wire 2 cond. 22 awg home run from dome to control panel. Stations 900-153 and 900-154. *Drawing 103-002.

WIRING FROM DOME LIGHT TO PATIENT STATION

900-535- Visual Patient Station. 4 cond. 22 awg. *Drawing 103-001 and 103-002.

WIRING FROM DOME LIGHT TO EMERGENCY STATION

All emergency stations require a 4 cond. 22 awg. Including Code Blue Stations.
Stations: 900-108, 900-110, 900-112, and 900-119.
*Drawing 103-001, 103-002, and 102-016.

WIRING FOR DUTY STATIONS AND ZONE LIGHTS

Both stations require 3 cond. 22 awg home run back to control panel.
Stations: 900-029, and 900-151.
*Drawing 102-017, and 102-018.

NOTE: Runs over 1000ft. increase commons to 16 awg.

* Drawings are available upon request – they are included in our system instruction manuals and on our website www.eeiusa.com

AUDIO VISUAL WIRING

COMMON WIRES FROM DOME LIGHT TO DOME LIGHT

We suggest running common wires from dome to dome down one side and stopping at the end of hallway. Then come down the other side with another set of commons.

ONE AND TWO LAMP DOME LIGHT- 6 cond. 18 awg. and 2 cond. 22 awg. shld. dome to dome. Point wire 2 cond. 22 awg home run from dome to control panel or use multi conductor 22 and use different color for points down the hallway.
Stations 900-151 and 900-152. *Drawing 103-003 and 103-006.

THREE AND FOUR LAMP DOME LIGHT- . 8 cond. 18 awg. and 2 cond. 22 awg. shld. dome to dome. Point wire 2 cond. 22 awg home run from dome to control panel.
Station 900-154. *Drawing 103-004 and 103-007.

WIRING FROM DOME LIGHT TO PATIENT STATION

900-545- Audio Visual Patient Station. 4 cond. 22 awg. and 2 cond. 22 awg. shld.
*Drawing 103-003 and 103-004.

900-555- Audio Visual Patient/Staff with one phone jack and one call switch.
4 cond. 22 awg. and 2 cond. 22 awg. shld. *Drawing 103-003 and 103-004..

900-552- Audio Visual Patient Station with 2 8pin modular pillow speaker jacks.
6 cond. 22 awg. and 2 cond. 22 awg. shld. From Patient 5cond. 22 awg. to each TV.
*Drawing 103-006 and 103-007.

WIRING FROM DOME LIGHT TO EMERGENCY STATION

All emergency stations require a 3 cond. 22 awg. Including Code Blue Stations.
Stations: 900-108, 900-110, 900-112, and 900-119.
*Drawing 102-016, 103-003, 103-004, 103-006, and 103-007.

WIRING FOR DUTY STATIONS AND ZONE LIGHTS

Both stations require 3 cond. 22 awg. home run back to control panel.
Stations: 900-029, and 900-151.
*Drawing 102-017, and 102-018.

NOTE: Runs over 750ft. increase commons to 16 awg. and point wires to 18 awg..

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