

dmc1 New/Retro Construction Trouble Shooting

NO POWER

- Reset master unit by inserting a paperclip in the reset hole, which is to the left of room station switch 5.
- Fuses on the back of the master unit.
- TE5C transformer has incorrect output. Refer to diagram on transformer.
- Breaker at the electrical box is not on.

SYSTEM DIAGNOSTIC

- To put the dmc1 master in to "test mode," press VOLUME UP ▲ and TUNE UP ▲ simultaneously. On the display will be the version number of the software (example 1.7) and the word "test".
- To display stored error messages press TUNE DOWN ▼ and "PRESET" simultaneously. This will display the last four error codes.

dmc1 Error Codes

Code	Description	Possible Causes
1	CD Mechanism Failure	Bad cable, CD or Player
2	CD Mechanism Thermal Protection	Improper Installation, Bad CD Player
3	CD Mechanism Stops Playing , No Response	CD Mechanism
4	FM Tuner Frequency Lock Failure	AM Antenna Installation, Ribbon Cable, Bad Tuner or Master
5	Room Station Control	Shorted Cable, Improper Terminations, Bad Station
6	Patio Control	Shorted Cable, Improper Termination, Bad Station
7	Disc Data Error	Disc Dirty or Damaged
9	Continuous Chime	Stuck Bell Button, Short on Door Station Cable or Bad Chime Module

POOR RADIO RECEPTION

AM

- AM antenna is not installed in accordance with finish out instructions.
- TE5C transformer is not properly grounded.
- Ribbon cable from tuner to circuit board is not seated properly.
- Possible defective master unit.

FM

- FM antenna is not installed in accordance with finish out instructions.
- Ribbon cable from tuner to circuit board is not seated properly.
- Possible defective master.

FEED BACK WHEN INITIATING LISTEN OR TALK

- Intercom stations installed back to back or in the same wall cavity.
- Intercom stations installed within 10 feet of each other.
- Short on intercom station cable run.

NO BUTTON FUNCTIONALITY

- Reset master unit by inserting a paperclip in the reset hole, which is to the left of room station switch 5.
- Chime module or door station cable run affecting master unit.
- Room station and or patio connectors are terminated incorrectly.
- Short or open on intercom station cable run.
- Intercom switches are not in the "RADIO INT" position.

NO AUDIO RADIO OR INTERCOM

- Room switches are not in the "RADIO INT" position.
- Volume settings and controls are not set properly.
- The "SOURCE" selection is incorrect.
- Reset master unit by inserting a paperclip in the reset hole, which is located to the left of room station switch 5.
- Room station and or patio connectors are terminated incorrectly.
- Possible defective master.

AUDIBLE OSCILLATION OR HUM

- Room station and or patio connectors are terminated incorrectly.
- Short on intercom station cable runs.
- Equipment or cable runs too close to AC lines.
- Master is not on a dedicated 120 Volt 15 amp breaker.
- Possible defective master.
- Possible defective transformer.

NO DOOR COMMUNICATION

- Operating "DOOR TALK" incorrectly.
- Door speaker not connected properly at master unit, or door station.
- Short or open on door station cable.
- Possible defective door station.

NO CHIME OR CONTINUOUS CHIME

- MC3 or MC8 chime module not connected to master unit.
- Bell button wires not connected to screws on back of bell button.
- Room switches at master not in "RADIO INT" or "INTERCOM" position.
- "INTERCOM VOLUME" or speakers volume controls not adjusted properly.
- Possible short or open on bell button wires.
- Possible defective chime module.

INTERCOM STATION/STATIONS DO NOT FUNCTION PROPERLY

- Room station and or patio connectors are terminated incorrectly.
- Shorted or open intercom station cable run.
- Possible defective intercom station.
- Possible defective master.
- Possible defective transformer.

Useful Information

CAT5 – Retro Wire Conversion Chart

CAT5	M&S MS7	M&S MS6	NUTONE IW6	RITTENHOUSE 8 CONDUCTOR	RITTENHOUSE 7200	FUNCTION
ORANGE	BLUE	BLUE	ORANGE	GREEN	GREEN	IC INPUT
ORANGE/WHITE	YELLOW	YELLOW	ORANGE/WHITE	YELLOW	YELLOW	IC INPUT
BLUE	RED	RED	BLACK	RED	BLUE	ROOM/PATIO A/D
GREEN/WHITE	BLACK	BLACK	BLACK/WHITE	BLACK	BLACK	RELAY CONTROL
BLUE/WHITE & BROWN	WHITE	WHITE	RED/WHITE	WHITE	WHITE	GROUND
BROWN/WHITE & GREEN	GREEN	GREEN	RED/WHITE	BLUE	BROWN	AUDIO
	VIOLET			ORANGE		NOT USED
				GREY		NOT USED

45 Ω Polarity Chart

FOR MONO SPEAKERS ON dmc1 MASTER UNIT

Polarity	CAT5	45 Ω SPEAKER	MVC1
Positive +	Green and Brown/White	Red	Violet
Negative -	Brown and Blue/White	Black	Blue

45 Ω Polarity Chart

FOR STEREO SPEAKERS ON MC960PA

Polarity	SVC96	MVC96	45 Ω Speaker	MS2XSC	MS5XSC
Left +	Blue	Blue	Red	Violet	Green
Right +	Violet	Violet	Red	Violet	Violet
Negative -	White	White	Black	Blue	White