Digital Lighting systems, Inc.
www.digitallighting.com

MD400-DMX-DC

PROTOCOL interface
firing board
4 Solid State Relay

MD400-DMX-DC

+ 2
—

Optocouplers

3

— 3
+

1   **2**   **3**   **4**

RS485
Communication

+ 1
—

DMXD

Microprocessor

4

— 4
+

S2   **S1**

Channel Indicators

1 ○ ○ ○ ○

9 VAC   **D -**   **D +**

Black   Yellow

Violet **+ DATA**

DMX 512 DATA BUS

Red **- DATA**

Data Bus connects to other
PROTOCOL components

Transformer
9 VAC 1 Amp

Transformer from 8 VAC to 12 VAC
for logic power and phase

120VAC IN

Solid state relay
Dimmer 1
+

Solid state relay
Dimmer 2
+

Solid state relay
Dimmer 3
+

Solid state relay
Dimmer 4
+

**All 4 dimmers
should be
connected to same**