



# Performance Controls

## DMX Relay

### Features

- Standard rack-mount, single height, or portable configuration
- Permits electrically isolated control of twelve relay-driven dry-contact closures, Form C
- Allows DMX control of non-SCR dimmer compatible machines and devices
- One Year limited warranty
- Twelve outputs with status indicators
- Compatible with all standard USITT DMX-512 outputs
- Can "Daisy-Chain" between additional DMX compatible devices



## General Information

1. Designed for Industrial applications and simplicity.
2. Each DMX-Relay controls twelve 1 Amp relays.
3. Input is via 5-pin XLR-type connectors.
4. Input power is provided via 110 VAC, 50/60 Hz. standard input. Internal protection is provided. Power consumption is less than 1 amp. Other input voltages are available.
5. DMX-Relay shall be provided with an on-off switch with indicator.
6. All control electronics shall be contained on a double-sided, through-hole plated fiberglass circuit board.
7. DMX-Relays may be daisy-chained to additional DMX compatible devices.
8. Output is a 37-pin "D"-style connector. Optional terminal block output bracket for 19" rack-mount available. Terminal block outputs offer keyed plug-in connectors.

### Dimensions:

19"L x 8"D x 1 3/4"H (48.2cm x 20.3cm x 4.5cm)

### Order Information:

#### DMX Relay Unit:

- Rack Mount
- Portable Configuration

#### Options:

- Custom enclosure
- Termination Kit

JOB NUMBER:

APPROVAL STAMP

JOB NAME:

CUSTOMER:

P. O. #

**Electronics Diversified, Inc.**

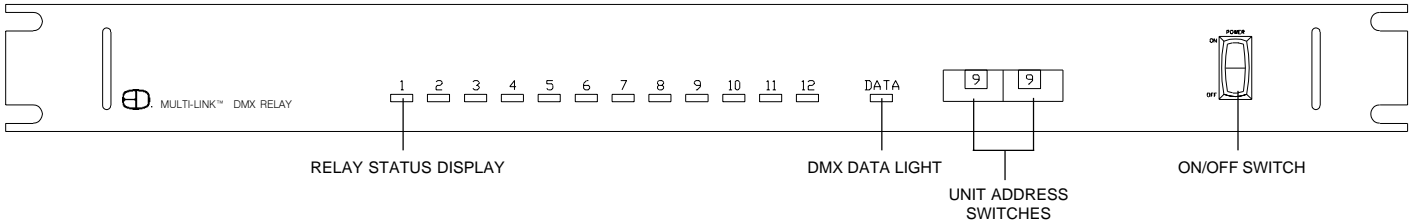
PRODUCT DATA SHEET

1675 N.W. Cornelius Pass Road ● Hillsboro, Oregon 97124 U.S.A.

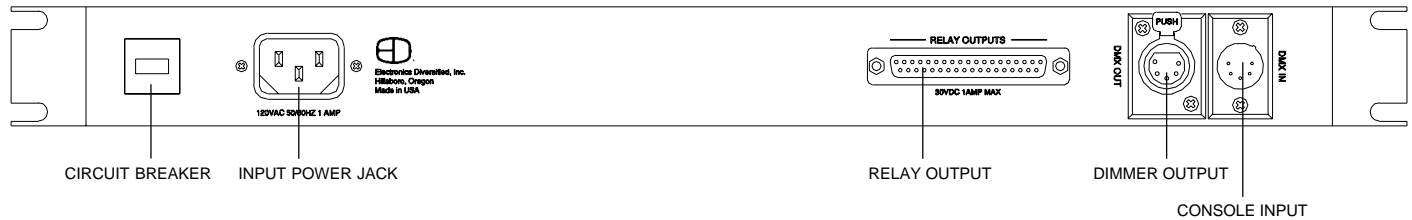
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### Front Panel



### Rear Panel

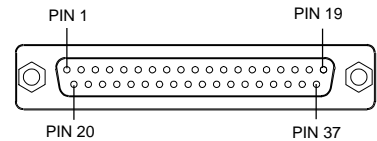


## Operation

The DMX Relay receives DMX-512 input. Pass-through connector allows units to be daisy-chained. If the selected dimmer intensity is >50%, the relay will be closed. If the selected dimmer intensity is <50%, the relay will be open. The DMX data lamp will light when a valid DMX-512 signal is being received. The front panel display LEDs will indicate relay active status. The front panel switch allows you to select the starting dimmer address for the group of twelve relays.

**Test Mode:** Setting the front panel switch to 5—1 will select individual control of the first relay without a DMX input. Advancing the switch from 5—2 will select the next relay (to 6—2). Setting the switches from 7—1-8—2 will turn all relays on except for the selected relay.

Output Connector:  
CANNON DC 37 P  
Mating Connector:  
CANNON DC 37 P



### Relay Address Table

Unit Address	Dimmer Numbers	Unit Address	Dimmer Numbers
00	NONE*	21	241-252
01	1-12	22	253-264
02	13-24	23	265-276
03	25-36	24	277-288
04	37-48	25	289-300
05	49-60	26	301-312
06	61-72	27	313-324
07	73-84	28	325-336
08	85-96	29	337-348
09	97-108	30	349-360
10	109-120	31	361-372
11	121-132	32	373-384
12	133-144	33	385-396
13	145-156	34	397-408
14	157-168	35	409-420
15	169-180	36	421-432
16	181-192	37	433-444
17	193-204	38	445-456
18	205-216	39	457-468
19	217-228	40	469-480
20	229-240	41	481-492
		42	493-504

\* Ignore input, all relays off.

Pin Number	Relay #	Pin Number	Relay #
1	1-NC	20	7-NC
2	1-COM	21	7-COM
3	1-NO	22	7-NO
4	2-NC	23	8-NC
5	2-COM	24	8-COM
6	2-NO	25	8-NO
7	3-NC	26	9-NC
8	3-COM	27	9-COM
9	3-NO	28	9-NO
10	4-NC	29	10-NC
11	4-COM	30	10-COM
12	4-NO	31	10-NO
13	5-NC	32	11-NC
14	5-COM	33	11-COM
15	5-NO	34	11-NO
16	6-NC	35	12-NC
17	6-COM	36	12-COM
18	6-NO	37	12-NO
19	No Connection		

NC = Normally closed contact    NO = Normally open contact  
COM = Common

**NOTE:** Relay contacts are rated at 1 Amp 30VDC. Do not exceed relay ratings.