

Denver® 8-Port Ethernet Switch



Denver 8-Channel 0-10V Dimmer (DV-DIN-8TV-E)

The Denver 8-Channel 0-10V Dimmer controls up to eight 0-10V dimmable fluorescent ballasts or LEDs. Each channel can control up to 50 ballasts. Individual 0-10V lights can be programmatically tied to a corresponding channel on a Denver 8-Channel Relay module for on/off control of the ballast or LED when needed. Alternatively, the Denver 8-Channel 0-10V Dimmer module also has eight low voltage outputs for triggering external power relays.

- Controls up to eight 0-10V dimmable fluorescent ballasts or LEDs.
- Sink up to 100mA per channel for control of up to 50 ballasts or source up to 25mA per channel for control of up to 12 ballasts.
- Eight low-voltage outputs for triggering external power relays.
- Channel buttons allow for toggling on/off or ramping up/down a load.
- Channel status LEDs indicate whether a load is on or off.
- Module override button allows toggling between the module override scene and all channels off or setting the module override scene to current channel levels.
- Module status LED indicates if module power is on with normal operation or off.
- Auxiliary override connection allows a standard line-voltage toggle switch to control the attached lights before the control system is installed or in case the controller malfunctions.
- The module can be installed in either a Denver 5-slot or 2-slot panel or in a third-party DIN rail panel.

Model number	DV-DIN-8TV-E
Power requirements	100-277VAC, 50/60 Hz
0-10V per channel max	100mA, sink (approximately 50 ballasts—see ballast specifications) 25mA source (approximately 12 ballasts—see ballast specifications)
External relay channel rating	24V max, 50mA max
Power consumption	2.5W
Supported load types	0-10V and 1-10V dimmable fluorescent ballasts and LEDs, sink, or source.
Control communications	Ethernet

Connectors

Five line voltage screw terminals (Line, Neutral, Ground, Aux In, Aux Out)	26 AWG to 12 AWG (0.12 mm ² to 4 mm ²)
Sixteen 0-10V screw terminals (8+, 8-)	26 AWG to 16 AWG (0.12 mm ² to 1.5 mm ²)
Sixteen external relay screw terminals (8 in, 8 out)	26 AWG to 16 AWG (0.12 mm ² to 1.5 mm ²)
One Ethernet	RJ-45

Environmental

Operational temperature	32° F ~ 104° F (0° C ~ 40° C)
Humidity	5% - 95% non-condensing
Storage temperature	-4° F ~ 158° F (-20° C ~ 70° C)
Heat dissipation	9 BTU/hr @120VAC

Dimensions

H × W × D	8.5 × 4.3 × 2.3 in. (215 × 109 × 57 mm)
DIN module width	12M
Weight	2.4 lbs. (1.1 kg)
Shipping weight	2.90 lbs. (1.3 kg)

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