

ELECTRONIC LOAD DIMMING STATION 4-1-DIN

Load Controls

The Vantage ELDS4-1-DIN, Dimming Station is a 4 channel dimmer that connects to the Vantage Control System. It is powered from a local line feed, and communicates with the system through the Vantage 2-wire station bus

The Electronic Load Dimming Station makes dimming easier for both the homeowner and the installer. It is designed to easily install on standard 35mm DIN rail. These dimmers support trailing edge (reverse phase) dimming and will detect short circuits and shut down the load until the short circuit is cleared.

Once the system is programmed any load on the dimmer can be controlled by any input or timed event. The unit supports up to 6 contact inputs for additional convenience.

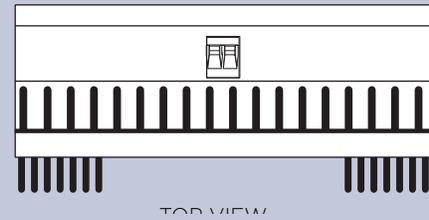
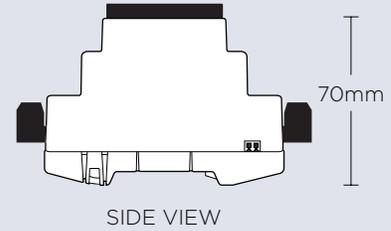
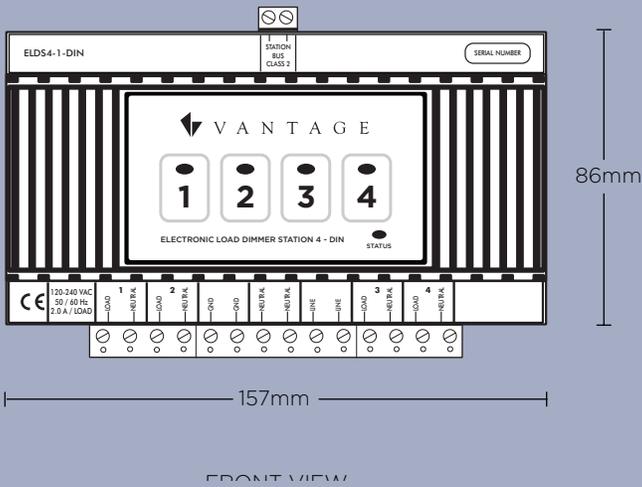


Product Highlights

- Diagnostics / Station Status LED
- Controls 4 electronic loads of up to 480 watts @ 240v
- Controls 2 electronic loads of up to 960 watts @ 240v ***
- Load actuator buttons with status indicators on front face
- Exclusively for electronic loads
- Connects to system via 2 wire Vantage Station Bus

*** Two consecutive load outputs *must not* be used under these conditions

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Specifications

Dimensions, HWD

86mm x 157mm x 70mm
3.4" x 6.18" x 2.75" (9 DIN module)

General Specifications

Model	ELDS4-1-DIN
Weight	635g
Mounting	35mm DIN Rail (EN 50 022: 1977)
Number of Loads	4
Ambient Operating Humidity	5-95% non-condensing
Ambient Operating Temperature	0-40°C (32-104°F)
Cooling	Convection
Dim Type	Reverse Phase Dimming
LED Indicators	Status and Load State
Load Types	Electronic
Lightning Surge Protection High Voltage	IEEE C62.41 (6000V 3000A)
Lightning Surge Protection Low Voltage	ITU-T K.20
Maximum Current per Load	4.0A - see load configurations on installation instructions sheet
Maximum Line Feeds	1 @ 20A (Maximum) breaker - 8A Maximum current per station
Maximum Voltage	250VAC
Maximum Watts per Load	480W@120V or 960w@240v - <i>Attention!</i> Not all channels can be used at max. load
Minimum Load	25W
MOV Protection	Built-in each load
Number of Loads	4
Overload Protection	For recommended load types only (i.e. lighting loads only)
Short Circuit Detection	Prevents load from turning ON (will not protect if shorted while ON)
Station Equivalent InFusion	0.36W on IC-24 / 0.54W on IC-36
Station Bus Connections	24V / 36V Station bus
CE Certified	Yes

Wiring Specifications

Station Bus Wiring Minimum	2 conductor, 16 AWG stranded, non-shielded twisted pair, 30 pF/foot max, UL rated CL2
Station Bus Wiring	2C, 1.31mm ² / 16AWG, non-shield, <30pF per foot separate Station Bus a minimum of 30.5cm / 12" from other parallel communication and/or high voltage runs
Station Bus Topology	Any combination of daisy chain or star or branch or home run and/or high voltage runs
Station Wiring Configuration	Daisy-chain/Star/Branch

System Compatibility

InFusion
QLink (programmed as the SLDS4-DIN)