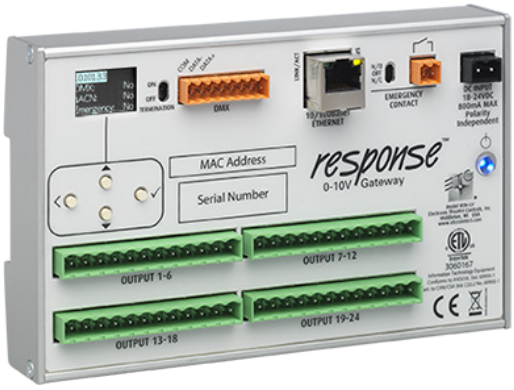
ETC®

Response™ 0-10V Gateway

Response Series



GENERAL INFORMATION

The Response 0-10V Gateway accepts streaming ACN (sACN) or DMX control input to provide 24 outputs of 0-10V control. It is ideal for both retrofit and new power-control system installations that require four-wire LED drivers and fluorescent ballasts. The Gateway also accepts a contact input to set each channel's output to a programed level for use in UL924 emergency lighting applications.

APPLICATIONS

- Houses of worship
- Hotels
- Convention centers
- Meeting rooms
- House lighting
- Museums
- Themed environments

FEATURES

- 24 independent 0-10V control outputs
- DMX or sACN control input
- Configurable dimming curve per output
- Configurable high-end trim
- Contact input for emergency lighting
- Onboard configuration using four-button interface.
- Onboard display for status and configuration
- Power and network status indicators
- 18-24vDC power input
- UL 924 LISTED for emergency lighting applications

ORDERING INFORMATION

0-10V Gateway

MODEL	DESCRIPTION
RSN-LV	Response 0-10V Gateway

0-10V Gateway Accessories

MODEL	DESCRIPTION
PS-DIN24	24vDC DIN-Rail Gateway Power Supply

Related Products

MODEL	DESCRIPTION
N31G-DIN	One-Port DMX/RDM Gateway - DIN-rail Mount
N34G-DIN	Four-Port DMX/RDM Gateway - DIN-rail Mount
N31G-F	One-Port DMX/RDM Output Gateway
N31G-M	One-Port DMX/RDM Input Gateway
N32G-2F	Two-Port DMX/RDM Output Gateway
N32G-2M	Two-Port DMX/RDM Input Gateway

SPECIFICATIONS

FUNCTIONAL

- Supports sACN control input (ANSI E1.31)
- Supports USITT DMX512-A control input (ANSI E1.11)
- Supports 0-10V sink control (IEC60929 Annex E) and 0-10V source control (ANSI E1.3)
- Supports per-address- or per-universe-level priority
- Configurable dimming curve per channel
  - Linear
  - Mod-Square
  - Custom (Future)

MECHANICAL

- Intuitive four-button interface
- Onboard display for identification, status and configuration
- Extruded aluminium enclosure
- Network and power activity indicators
  - Blue power indicator
  - Green and orange network activity indicator
- Female RJ45 for connection to lighting network
- Pluggable terminals provided for all wiring connections
- Selection switch for emergency input configuration
  - Normally Open, Normally Closed or Off
- Trim pot for configuration of 0-10V maximum voltage, +/- 1V
- 10 unit DIN enclosure
- Mounting complies with DIN43880 (35/7.5 rail)

ENVIRONMENTAL

- Ambient operating temperature: 0° to 40°C (32° to 104°F)
- Operating humidity: 5% - 95% non-condensing
- Storage temperature: -40° to 70°C (-40° to 158°F)

ELECTRICAL

- Compliant with IEEE 802.3i for 10BASE-T, 802.3u for 100BASE-TX
- 18-24vDC power input using two-pin pluggable connection
- Maximum 18W current draw at 18-24V
- 24 0-10V outputs, each supporting voltage source or sink connections, 50mA maximum current per output
- RoHS compliant (lead-free)
- CE compliant and ETL LISTED
- UL 924 LISTED

DMX INPUT PORT

- Optically-isolated input from the Gateway electronics
- Withstands fault voltages of up to 250VAC
- Integrated DMX/RDM termination

CONFIGURATION

- Onboard configuration using intuitive four-button interface
- Configuration provided using Net3 Concert software (Future)
- Configurable starting address
- Up to four sources may be combined to the network with each source or address allowed an independent priority

ADDITIONAL INFORMATION

DMX512

Often shortened to DMX (Digital Multiplex), this communication protocol is used mainly to control dimmers and multi-parameter fixtures. A universe of DMX is defined as 512 channels. DMX sends a nearly continuous stream of level information for each control channel. It is a form of RS-485 digital serial communication.

sACN

Streaming ACN (ANSI E1.31), sends DMX-style control over TCP/IP networks. It provides a fast and efficient mechanism to transport the well-understood DMX protocol over Ethernet using an industry-standard protocol.

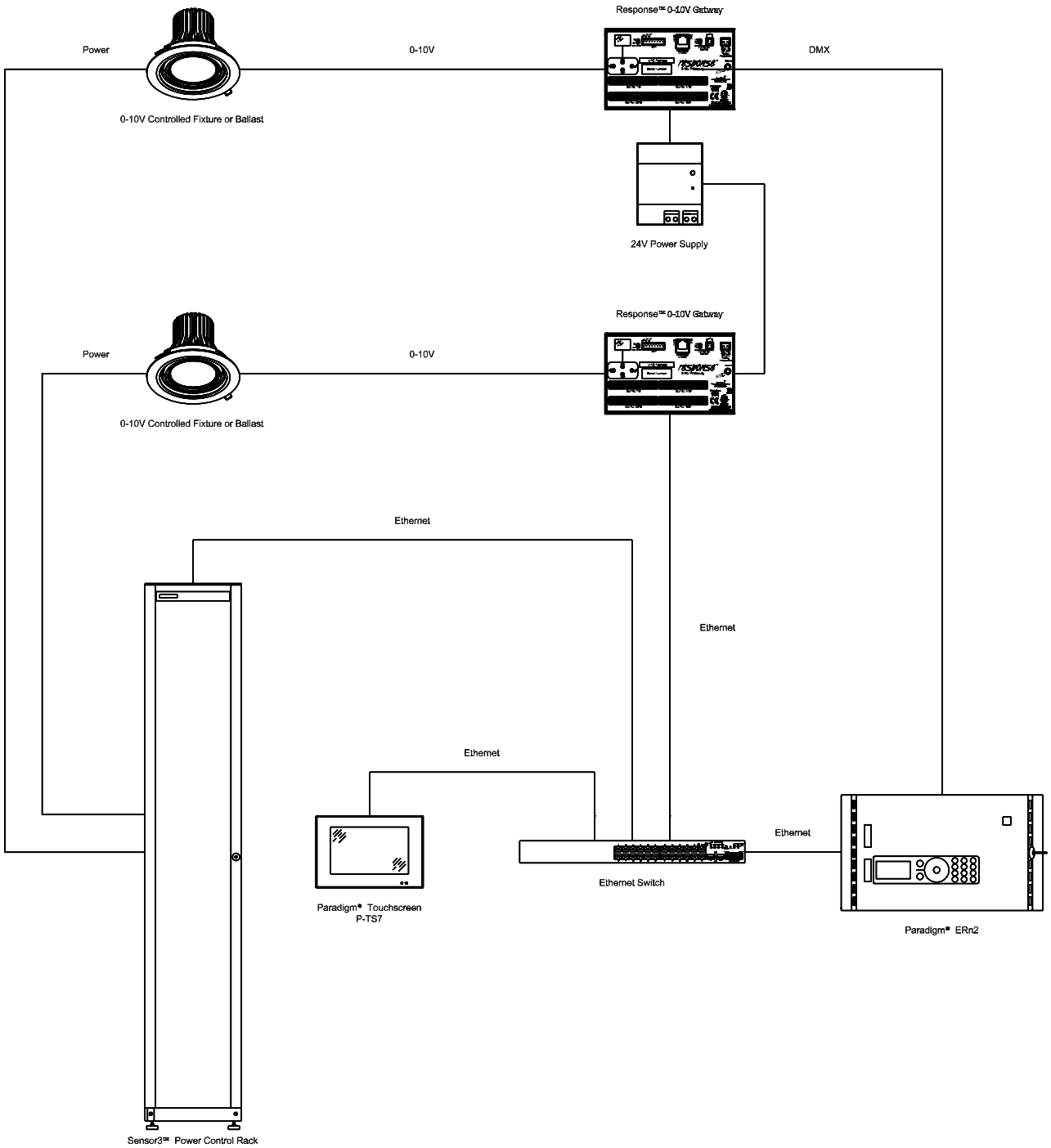
ACN

Architecture for Control Networks (ANSI E1.17) is a standard for high-speed bidirectional communication over TCP/IP on Ethernet network infrastructure. ACN is an open suite of protocols used between network devices for the purposes of greater and more adaptive control.

NET3

ETC's enhanced implementation of the standard ACN Protocol Suite (ANSI E1.17 and E1.31) including additional communication protocols for specialized applications and support of legacy systems.

RISER DIAGRAM



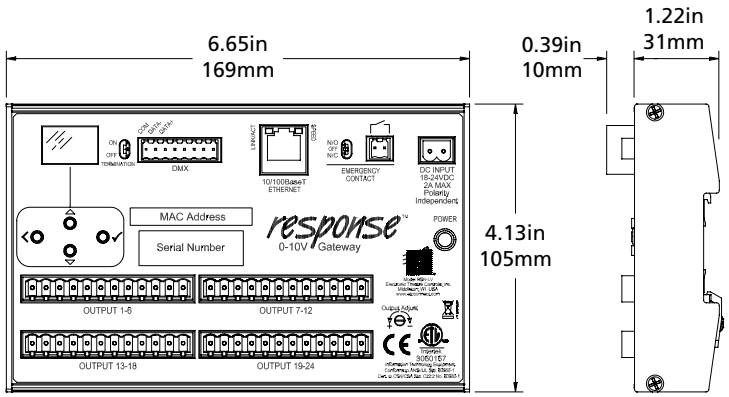
PHYSICAL

0-10V Gateway Dimensions

MODEL	HEIGHT		WIDTH		DEPTH	
	inches	mm	inches	mm	inches	mm
RSN-LV	1.22	31	6.65	169	4.13	105

0-10V Gateway Weights

MODEL	WEIGHT		SHIPPING WEIGHT	
	lbs	kgs	lbs	kgs
RSN-LV	1.0	.45	1.5	.68



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