

ETC®

Unison Foundry® 0-10V Dimming Controller

UL

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115/120V 277V

Foundry Distributed Power Series



GENERAL INFORMATION

Unison Foundry 0-10V Dimming Controller offers DMX controlled, fully-rated 20-Amp relays with fully isolated 0-10V dimming for direct control of compatible LED drivers and fluorescent dimming ballasts. The Controller mounts to an electrical junction box.

APPLICATIONS

- Arena and stadium suites
- Office buildings
- Conference and meeting rooms
- Healthcare facilities
- Houses of worship
- Classrooms
- Hospitality and restaurants
- Retail

FEATURES

- Switched power control of two circuits with 0-10V dimming
- 20A fully-rated relays for use with general purpose, tungsten, fluorescent and LED loads
- Supports plug loads
- Fully isolated 0-10V dimming outputs
- 120/277VAC power input
- DMX controlled and RDM configurable

GENERAL

- UL and cUL LISTED
- Rated for plenum use

ORDERING INFORMATION

Foundry 0-10V Dimming Controller

MODEL	DESCRIPTION
UFR2-LV	Dual Zone DMX Relay with 0-10V

FOUNDRY FAMILY OF PRODUCTS

Foundry Distributed Product Series

MODEL	DESCRIPTION
UFR2	Dual Zone DMX Relay
UFR2-LV	Dual Zone DMX Relay with 0-10V
UFD	600W 120V DMX Dimmer
UFD-277	600W 277V DMX Dimmer

Foundry Mini Panel Product Series

MODEL	DESCRIPTION
UFMP4	4 Zone Mini Panel
UFMP8	8 Zone Mini Panel



**SPECIFICATIONS****FUNCTIONAL**

- Control for individual fixtures, zone power and 0-10V dimming for fluorescent ballasts and LED drivers
- Supports USITT DMX512-A (ANSI E1.11)
- Supports RDM (ANSI E1.20)

**MECHANICAL**

- Constructed of injection-molded ABS plastic
- Button interface and LED indicators for configuration
- Half-inch conduit knockout mounted
- Mains-voltage wiring exits through knockout mount
- 0-10V dimming control wiring exits through knockout mount
- DMX wiring connects to side of controller
- Mains power input connections:
  - 12 AWG Hot - Black
  - 14 AWG Neutral - White
- Relay output connections:
  - Zone 1, 12 AWG - Red
  - Zone 2, 12 AWG - Red/White
- 0-10V dimming output connections:
  - Zone 1, 18 AWG - Violet and Gray
  - Zone 2, 18 AWG - Violet/White and Gray/White
- Optional mounting plate available for applications that require low-voltage wiring to be in conduit

**ELECTRICAL**

- 120V-277V, 50/60Hz power input
- Normally Open (NO) 20-amp fully-rated relay
- Supports lighting and plug loads
- 0-10VDC control rated for up to 100mA sink per output
  - 0-10V connections are fully isolated from ground to 2500V RMS
- UL and cUL LISTED
  - Conforms to UL 508 and UL 2043

**DMX INPUT PORT**

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

**CONFIGURATION**

- Remote configuration available via RDM controllers including:
  - ETC DMX/RDM gateway networked to a device running ETC Net3 Concert software
  - ETC control console with RDM functionality
  - 3rd party configuration and control products
- Manual configuration of the starting DMX address on the controller

**THERMAL**

- Ambient room temperature: 0 to 50°C
- Ambient humidity: 5 to 95% non-condensing

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Foundry Distributed Power Series

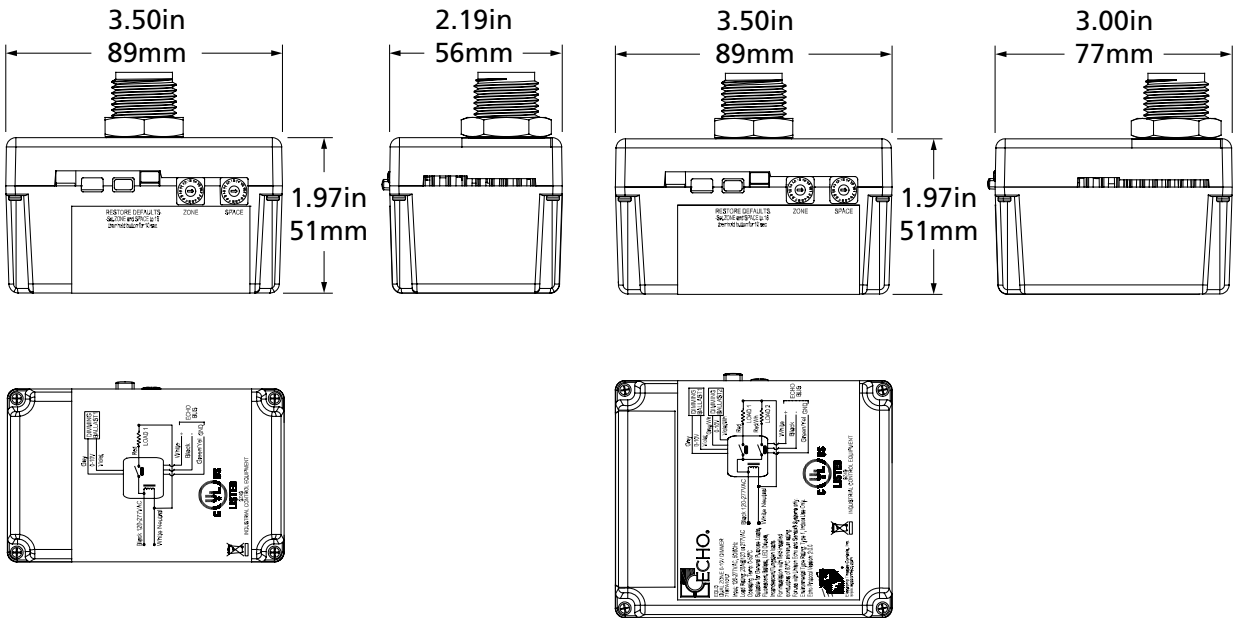
PHYSICAL

Dimmer Dimensions

MODEL	HEIGHT		WIDTH		DEPTH	
	inches	mm	inches	mm	inches	mm
UFR2-LV	2.0	51	3.5	89	3.0	77

Dimmer Weight

MODEL	WEIGHT	
	lbs	kgs
UFR2-LV	0.75	0.34



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