

DR DIMMING RELAY

QUALIFIED TO
NEMA 410
STANDARDS



DESCRIPTION

The IOTA **ETS DR** Emergency Lighting Control Device allows local switch and dimming control of designated emergency luminaires when emergency power is provided by a generator or inverter. The **ETS DR** senses the loss of normal AC power and **bypasses the local switch device or dimmed setting**, allowing emergency power directly to the fixture regardless of control setting. The **ETS DR** is rated for any lamp load up to **3 amps** continuous power including **LED loads per NEMA 410 standards**. The **ETS DR** is an ideal solution for achieving **increased energy savings** in accordance with most energy efficiency standards by eliminating the need to operate the designated emergency fixtures 24/7 when emergency power is sourced from a generator or inverter. The dimming relay leads of the **ETS DR** interface with the fixture's dimming control for proper emergency operation of the fixture from the designated auxiliary supply.

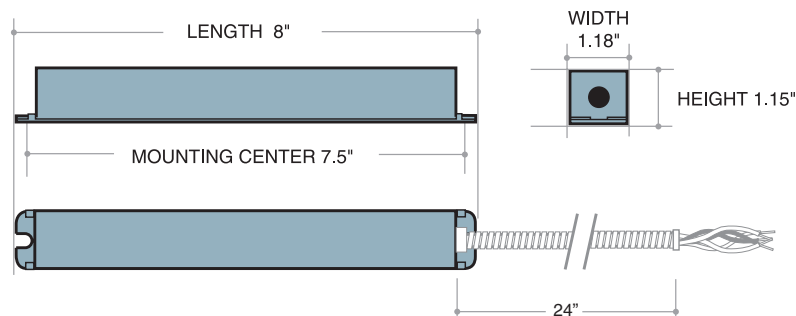
SPECIFICATIONS

Input Voltage	120-277V, 60Hz
Input Current	40 mA
Maximum Switching Current	3 Amps @ 120V 3 Amps @ 277V
Dimming Compatibility	For use in 0-10 volt dimming circuits up to 100 mA
Emergency Operation	The ETS DR allows operation of any lamp type in the designated fixture for the duration of the auxiliary supply
Initial Illumination	The ETS DR allows operation of the designated load at full light output
Operating Temp	0° to 55° C
Weight	1.0 lbs.
Certifications	UL 924 Listed ALCR Control Device for U.S. and Canada



DIMENSIONS

8.0" x 1.18" x 1.15" (mounting center 7.5")



MODEL NO: _____
 TYPE: _____
 PROJECT: _____
 COMMENTS: _____


PERFORMANCE

Allows full brightness operation of an LED, fluorescent, or incandescent fixture from the generator or inverter supply up to 3 amps continuous, regardless of local control settings.

PRODUCT ADVANTAGES

- **Increased Energy Savings**
Promotes energy savings by eliminating the need for always-on fixtures
- **Restore Local Lighting Control**
Occupants can control illumination within their lighting space without compromising emergency performance
- **Dimming Relay**
Internal dimming relay allows the use of 0-10V dimming options with the need for additional ALCR devices
- **Full Light Output**
Allows operation of emergency fixtures at full brightness regardless of switched or dimmed settings.
- **Designed to NEMA 410**
Compatible with LED loads up to 3 amps continuous in accordance with NEMA 410 inrush recommendations.

FEATURES

- Shunts local switch devices in the emergency mode allowing for full lumen output
- Can also be used with fixture level micro-inverter systems to defeat 0-10V dimming functions.
- Galvanized steel case
- 120-277V 60hz
- Available in flex or non-flex configuration
- Rated for use in plenum fixtures
- Meets or exceeds all NEC, IBC, and Life Safety Code Emergency Lighting Requirements
- RoHS Compliant 
- **5-Year Warranty.**



