

## DUAL | ZONE

DIMMING CONTROL



MODEL NO: \_\_\_\_\_  
 TYPE: \_\_\_\_\_  
 PROJECT: \_\_\_\_\_  
 COMMENTS: \_\_\_\_\_

### PERFORMANCE

Allows full brightness operation of fixtures on the switched designated 20-amp circuit with dual dimming zones from the generator or inverter supply regardless of switch position.

### DESCRIPTION

The IOTA **ETS20 DR** Emergency Lighting Control Device allows the use of auxiliary generator or inverter power on switched fixtures in power failure situations. The **ETS20 DR** senses the loss of normal AC power and bypasses local control devices such as switches, occupancy sensors, or timers, providing emergency power to the fixtures regardless of the control setting. The **ETS20 DR** allows for operation of the load at full light output until normal power is restored or for as long as the generator or inverter supply is available. The **ETS20 DR** will work in conjunction with any fixture on the designated 20 amp circuit per the rated specifications. Allowing for the use of switched fixtures with a generator or inverter supply eliminates the need for night lights and promotes increased energy savings. The dimming relay leads accommodate two 0-10 volt dimming zone controls, providing full light output in both zones during emergency mode regardless of dimmer setting.

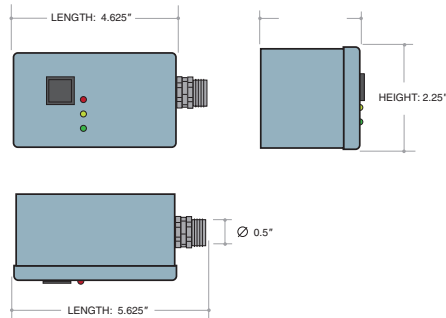
### SPECIFICATIONS

Input Voltage .....	(Dual) 120/277V, 50/60Hz
Maximum Load Ratings:	
LED Driver .....	8A @120VAC, 50/60Hz per NEMA 410 8A @277VAC, 50/60Hz per NEMA 410
Ballast .....	20A @ 120/277VAC, 50/60Hz
Incandescent .....	10A @ 120VAC, 50/60Hz
Emergency Operation .....	The ETS20 DR will operate in conjunction with any lighting load as noted in the specifications in the designated 20 amp circuit for the duration of the auxiliary supply
Contact Rating .....	1A @30VDC 1A @ 277VAC
Operating Temp .....	-20° to 55° C (-4° to 131° F)
Weight .....	1.0 lb.
Certifications .....	UL 924 Listed for U.S. and Canada Damp Location Rated UL 2043 Plenum Rated



### DIMENSIONS


4.625" x 2.25" x 2.25"



### 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
- **Dual Dimming Zones**  
Dual relays accommodate two separate dimming zones on the circuit
- **Full Light Output**  
Allows operation of emergency fixtures at full brightness regardless of switched or dimmed settings.
- **Remote Trigger Device Option**  
Provided jumper leads allow for optional connection to another trigger device, such as alarm or fire panel

### FEATURES

- UL 924 Listed
- Shunts local switch devices in the emergency mode allowing for full lumen output
- LED indicators for determining functional readiness and operation modes
- Galvanized steel case
- Simplified junction box installation
- Unit temperature withstand condition range of -20° to 55° C
- Rated for use in plenum and damp location applications
- Meets or exceeds all NEC, IBC, and Life Safety Code Emergency Lighting Requirements
- RoHS Compliant 
- **5-Year Warranty.**



# ETS20 DR

Emergency Lighting Control Device with Dual Dimming Relays for 20-Amp Circuit

## CONFIGURATION

ETS20

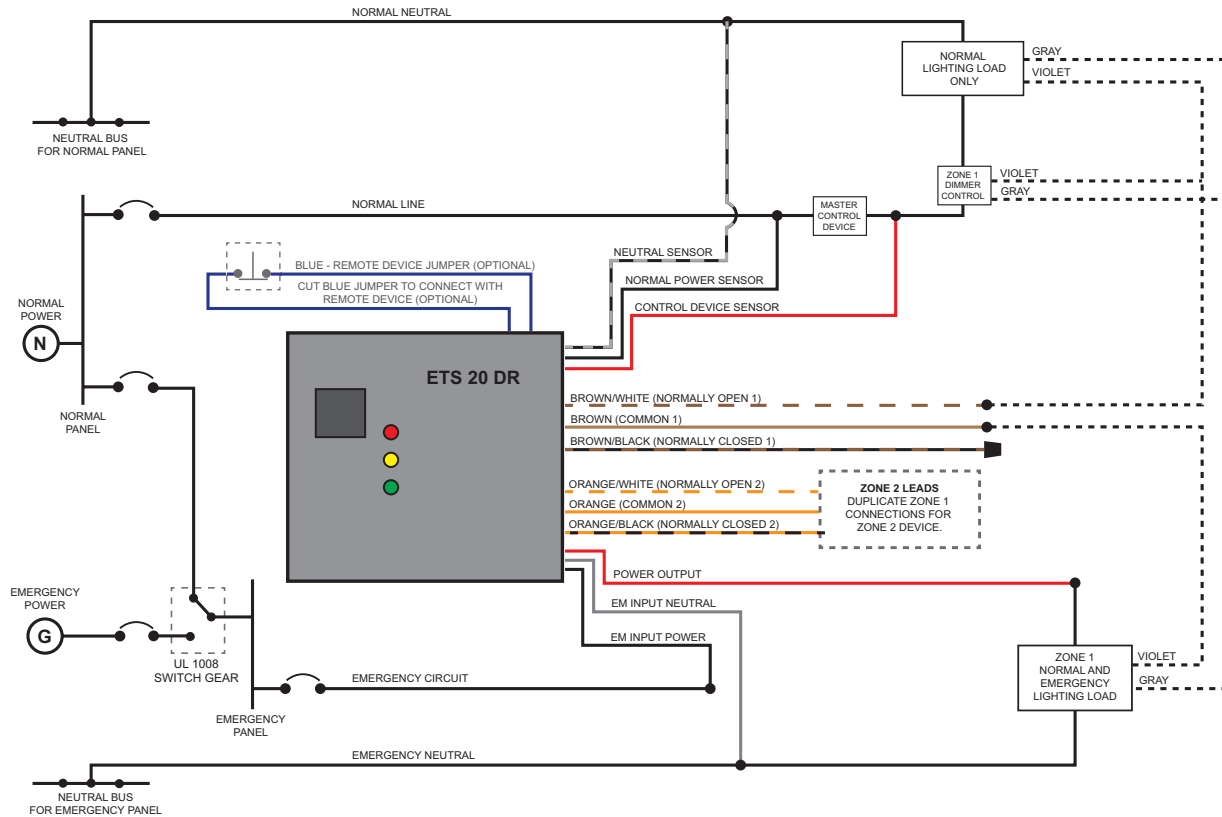
DR

ALCR Control Device for 20-Amp Circuit (dual dimming control zones)

## WIRING

### ETS20 DR with Dual Zone Dimming Control

The ETS20 DR provides two sets of dimming relays for use with Dual Zone dimming (such as an auditorium that would demand full brightness on a platform and a dimmed zone over the audience). The ETS20 DR allows for two-wire dimming of zones that would be comprised of both normal and EM fixtures. In the event of a power loss, any dimmed emergency fixtures in either zone will switch to the emergency supply and come on at full brightness.



**Warranty:** 5-Year Limited Warranty

Complete warranty terms located at [www.acuitybrands.com/CustomResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomResources/Terms_and_conditions.aspx)

IOTA REV 052620