DESCRIPTION

The IOTA ETS Emergency Lighting Control Device allows local switch control of designated emergency luminaires when emergency power is provided by a generator or inverter. The ETS senses the loss of normal AC power and bypasses the local switch device allowing emergency power directly to the fixture regardless of switch position. The ETS is rated for any lamp load up to 3 amps continuous power including LED loads per NEMA 410 standards. The ETS 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. Dimming ballasts require one ETS for each hot lead.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>(Dual) 120/277V, 60Hz</td>
</tr>
<tr>
<td>Input Current</td>
<td>250 mA</td>
</tr>
<tr>
<td>Maximum Switching Voltage</td>
<td>3 Amps @ 120V</td>
</tr>
<tr>
<td></td>
<td>3 Amps @ 277V</td>
</tr>
<tr>
<td>Circuit Protection</td>
<td>3A on Control Input 3A on Neutral and 120/277V Outputs</td>
</tr>
<tr>
<td>Emergency Operation</td>
<td>The ETS allows operation of any lamp type in the designated fixture for the duration of the auxiliary supply</td>
</tr>
<tr>
<td>Initial Illumination</td>
<td>The ETS allows operation of the designated load at full light output</td>
</tr>
<tr>
<td>Operating Temp</td>
<td>0° to 50° C</td>
</tr>
<tr>
<td>Weight</td>
<td>1.0 lbs</td>
</tr>
<tr>
<td>Approval</td>
<td>UL 924 Listed</td>
</tr>
</tbody>
</table>

FEATURES

- Regain local switch control of your designated emergency fixtures powered from a generator or inverter
- Promotes energy savings by eliminating the need for always-on fixtures
- Full light output
- Compatible with LED loads up to 3 amps continuous in accordance with NEMA 410 standards
- Shunts local switch devices in the emergency mode allowing for full lumen output
- Rated for LED loads up to 3 amps continuous per NEMA 410 standards
- Galvanized steel case
- Dual Voltage 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. See Warranty Page for details.

DIMENSIONS

8.0” x 1.18” x 1.125” (mounting center 7.5”)

OUTPUT

Full Light Output

LOADS OPERATED

Allows operation of any LED, fluorescent, or incandescent switched fixture from the generator or inverter supply up to 3 amps continuous.

PRODUCT ADVANTAGES

- Full light output
- Compatible with LED loads up to 3 amps continuous in accordance with NEMA 410

IOTA REV 050416

IOTA ENGINEERING PO BOX 11846 TUCSON, AZ 85734 TEL: 1-800-866-IOTA (4682) FAX: (520) 741-2837 WEB: www.iotaengineering.com
ETS
3-AMP EMERGENCY LIGHTING CONTROL DEVICE

OPTIONS

CONFIGURATION

○ ETS (NO FLEX)
○ ETS-R (W/ 24" FLEX)

WIRING DIAGRAMS

TYPICAL BALLAST/GENERATOR APPLICATION

WHT/BLK
BLK/ORG
YELLOW
YELLOW/WHITE

ETS EMERGENCY CONTROL DEVICE

AC DRIVER / BALLAST

NORMAL POWER INDICATOR (OPTIONAL)

EMERGENCY POWER

NORMAL POWER

N
G

NORMAL POWER SENSE
SELECT PROPER VOLTAGE LEAD. CAP UNUSED LEAD.

TYPICAL DIMMING BALLAST/GENERATOR APPLICATION

WHT/BLK
BLK/ORG
WHITE
RED/WHT
YELLOW
BLUE/WHITE

ETS EMERGENCY CONTROL DEVICE

AC DRIVER / BALLAST

NORMAL POWER INDICATOR (OPTIONAL)

EMERGENCY POWER

NORMAL POWER

N
G

NORMAL POWER SENSE
SELECT PROPER VOLTAGE LEAD. CAP UNUSED LEAD.

CONNECT THE PROPER VOLTAGE LEADS BEFORE DIMMER CONTROL ON THE NORMAL POWER LINE.

CAP UNUSED LEAD.