PRODUCT SPOTLIGHT

ETS DR

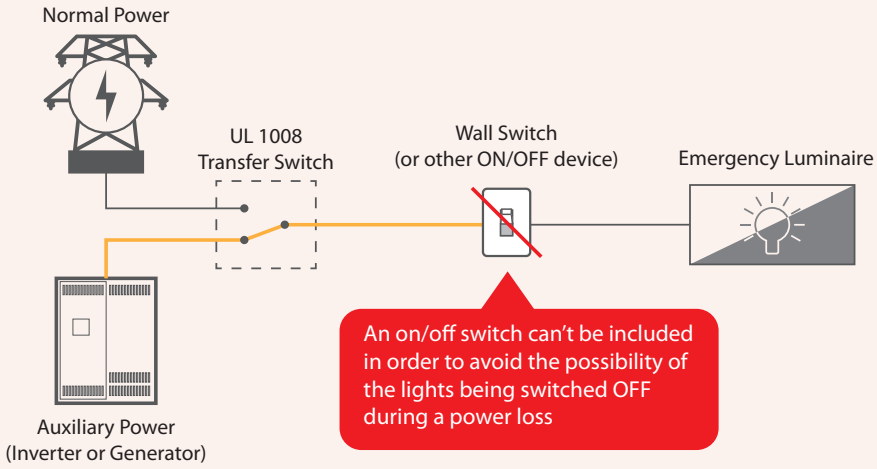
Emergency ALCR Device

Restoring Control of Emergency Luminaires in Auxiliary Power Applications

The IOTA **ETS DR** is a UL 924 Listed ALCR (Automatic Load Control Relay) device that allows lighting controls to be used with emergency luminaires when emergency power is provided by an auxiliary generator or central inverter.

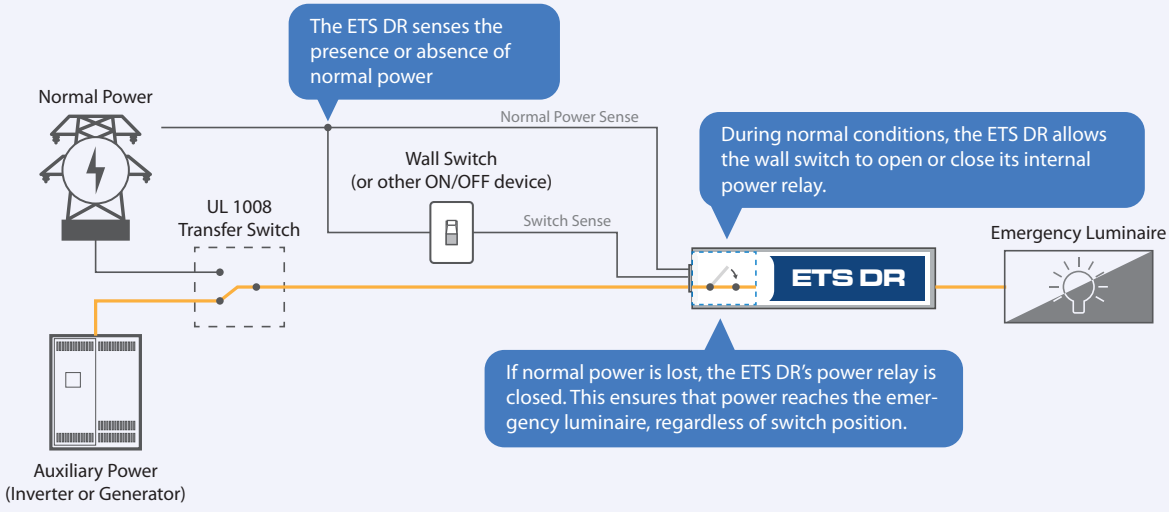
Common Application - Without ETS

Typically when emergency backup power is supplied from an auxiliary source (such as a generator or central inverter) a wall switch or other on/off control device **cannot be used** to control the emergency luminaire. This is because there is no way to guarantee that the switch will be in the "on" position if a power loss occurs. Without the use of an on/off control, the emergency luminaires must be "night lights" or "always on fixtures" that are illuminated 24/7. Constant emergency luminaire operation results in **significant (and wasted) power consumption.**



With the IOTA ETS DR

The IOTA ETS DR restores the ability for on/off controls or similar devices such as timers or occupancy sensors to be used on the emergency luminaire. If utility power is lost, the ETS DR will sense the lack of normal power and **ignore the position of the control device**, causing the emergency luminaire to illuminate at **full brightness**.



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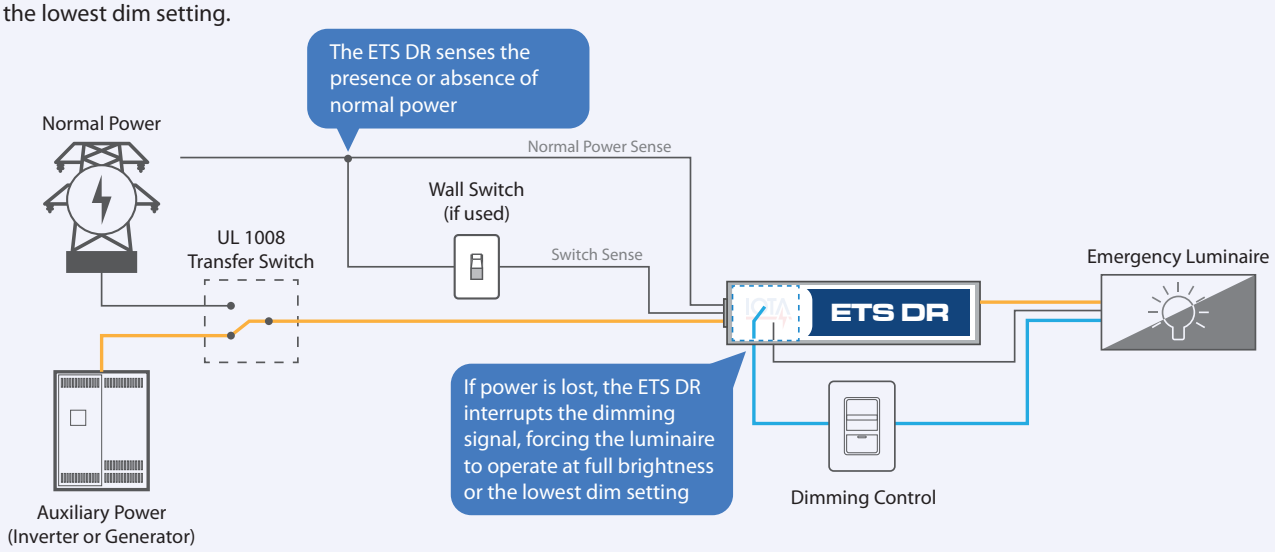
PRODUCT SPOTLIGHT

Dimming Leads

The ETS DR features dimming leads which can be used to bypass dimming controls in power loss conditions for a variety of dimming applications including **0-10V dimming** and **DALI**.

Using Dimming Controls with the ETS DR

The IOTA ETS DR allows dimming controls to be used on the emergency luminaire. If utility power is lost, the ETS DR will sense the lack of normal power and **interrupt the dimming signal**, causing the emergency luminaire to illuminate at **full brightness** or the lowest dim setting.



ETS DR Advantages

Restoring Occupant Control of Emergency Luminaires

The ETS DR allows emergency luminaires to be switched and/or dimmed during normal operation, while satisfying the requirement that these luminaires return to full operation during emergency conditions. This grants more lighting control and flexibility to lighting designers and building occupants.

Increasing Energy Saving Potential

The ETS DR can help building owners increase energy savings and reduce power costs by enabling more energy efficient use of designated emergency luminaires. In conjunction with the ETS DR, lighting controls can be employed to switch or dim emergency luminaires during normal conditions to reduce power consumption. If a power failure occurs, the ETS DR helps ensure that these energy saving efforts do not compromise the critical Life Safety function of the designated emergency luminaires.

Learn more about the IOTA ETS DR on-line at:
www.iotaengineering.com

Or watch the companion YouTube video by scanning:

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