



ETS 20

Circuit-Level Energy Saving Emergency Control

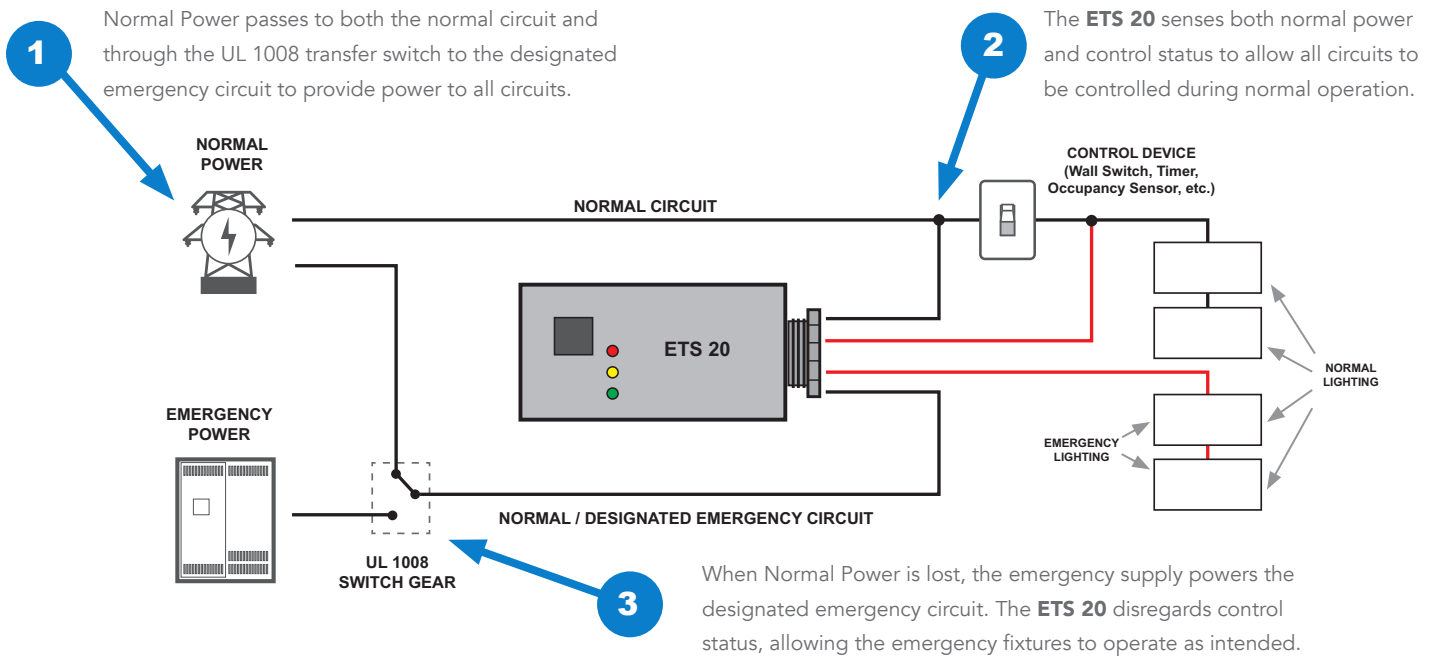


What is an ETS 20 Control Device?

The IOTA ETS 20 is a powerful ALCR (Automatic Load Control Relay) device that works in conjunction with emergency power systems such as a generator or inverter to provide additional levels of lighting control without impacting emergency performance. Code dictates that designated fixtures connected to an auxiliary generator or inverter must be on an unswitched circuit to prevent interruption of the emergency lighting when needed. However, the code accommodates the use of control devices like the ETS 20 for these applications.

The IOTA ETS 20 is a small device that resides on the designated emergency circuit and monitors the power and control status of the circuit. As long as normal power is present, the circuit can be switched on and off as needed.

How an ETS 20 Works...



The Advantages of Using an ETS 20 Control Device

Regained Control of Lighting for Occupants



By regaining local control, occupants can turn lights on and off as desired - such as when darkening rooms for presentations or performances - without compromising safety.

Increased Energy Savings

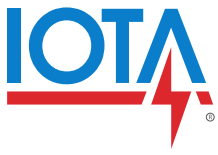


Eliminating unswitched circuits and 24/7 night-lights means no wasted energy during the hours when buildings are unoccupied.

DR Model for Dual Zone Dimming



The ETS 20 DR features two sets of dimming relay leads, providing the ability to bypass normal master control AND two separate 0-10V dimming controls if present.

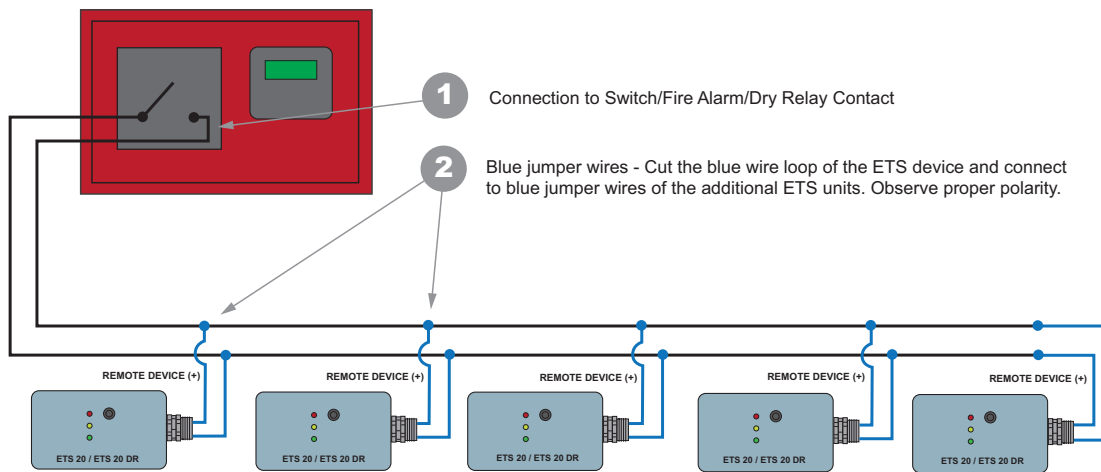


When to Consider an ETS 20 Device

An **ETS 20** and **ETS 20 DR** are primarily used for **generators** or **large inverter systems** that power multiple designated circuits and that do not have individual input leads that connect ahead of local lighting control. Inverter designs will vary so consult individual product specifications.

Added Safety Control with External Device Trigger

The **ETS 20** and **ETS 20 DR** can also connect to a building's fire panel for additional functionality. If a fire alarm is activated, the **ETS 20** can override any controls on the designated circuits and allow all emergency fixtures to come on at full brightness. The **ETS 20** allows for the connection of multiple designated circuits to a single contact on the fire panel.



Available Models

Model	Description	Input Voltage	Temperature Rating	Listings
ETS20	Circuit-Level ACLR Device	120-277VAC	-20° to 65° C	cULus 924
ETS20 DR	Circuit-Level ACLR Device with Dual Dimming Relays	120-277VAC	-20° to 65° C	cULus 924



The IOTA ETS 20 and ETS 20 DR are UL Listed for installation in the United States and Canada.

For more information and additional resources on the ETS 20 or other ACLR solutions, visit www.iotaengineering.com