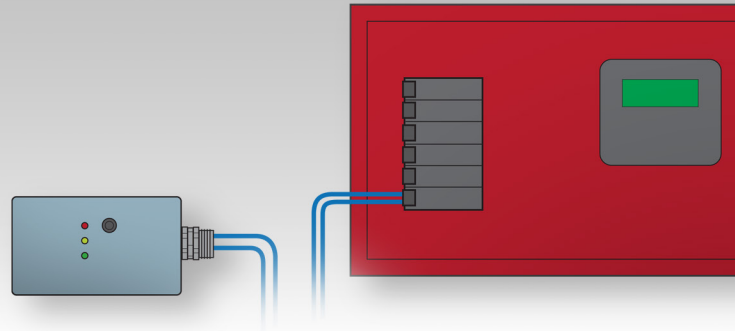




Using a Fire Panel to Override Multiple Lighting Controls with the ETS 20 Jumper Loop

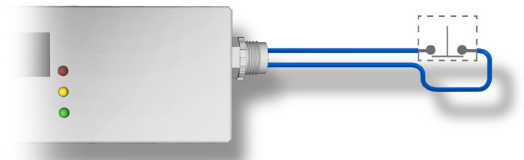


IOTA® ETS 20 and ETS 20 DR solutions allow the use of local controls on designated emergency lighting circuits, enabling users to turn multiple fixtures on or off or dim to desired levels without impacting their code-required emergency lighting function. During an emergency, the IOTA ETS 20 can bypass local controls or dim settings and cause the designated emergency fixtures to be powered at full light output for optimal occupant safety.

Two Activation Scenarios

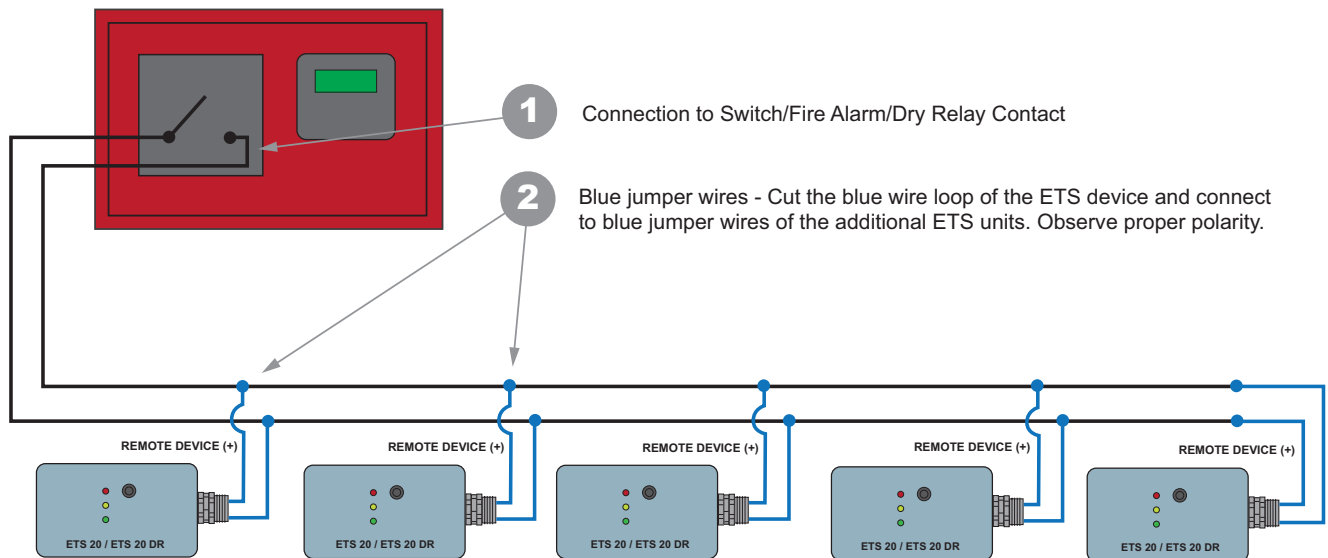
Loss of Emergency Power - This is the typical application of the ETS 20 device. When normal power is lost, the ETS 20 will override the connected ON/OFF and a 0-10V dimming signal present on the circuit to allow emergency power to operate the load. Refer to standard wiring diagrams for the ETS 20 and ETS 20 DR for wiring in these applications.

Open Contact Signal from Fire Panel - ETS 20 devices include a blue jumper wire that senses position of an alternate dry contact such as a fire alarm panel. If a fire panel is activated, the connected ETS 20 device will engage even if normal AC power is still present. The ETS 20 will override the controls on the circuit, forcing the load to operate at full output regardless of local switch positions or dim settings.



Connecting Multiple ETS 20 Jumpers in Series

The polarity of the blue jumper on the ETS 20 and ETS 20 DR allows the connection of up to twenty ETS 20 devices in parallel. This allows the activation and full light output of fixtures on multiple circuits from a single connection on the building's fire panel. See below for Series Jumper connections to a fire panel or other dry contact device. Observing proper polarity, connect the blue jumpers of the ETS 20 units together as shown below:



For further information on the IOTA ETS application or other emergency lighting solutions, visit www.iotaengineering.com or contact us at 1-800-866-4682.