



LIGHTING CONTROLS

WATTSTOPPER EMERGENCY LIGHTING CONTROL

ELCU-100

DESCRIPTION

Watt Stopper/Legrand's Emergency Lighting Control Unit **ELCU-100** is a self-contained, reliable, easy-to-install device. The **ELCU** provides all required functionality to allow any standard lighting control device to control emergency lighting in conjunction with normal lighting in any area within a building.

FEATURES

- Eliminates energy waste caused by "always ON" emergency lighting
- Integral push-to-test button activates emergency mode for a true test condition
- Connects to remote test switch or other input to activate emergency ON from a remote location
- Operates as a control device or as a shunt
- Senses local single circuit power failure
- Zero-crossing switching relay technology



WattStopper | Legrand

OSHA



- LED indication for emergency and normal power
- Half-second delayed ON positively identifies emergency
- Provides absolute fail-to-on emergency lighting

11

LIGHTING CONTROLS

APPLICATION

The **ELCU** is designed to control lighting in areas where emergency lighting fixtures are connected to dedicated circuits that are typically on 24 hours per day. The **ELCU** allows normal control of emergency lighting for energy savings and/or task related reasons while strictly adhering to National Electric Code requirements. It is suitable for any application where enhanced energy saving is desired.

MOUNTING

The **ELCU** is equipped with an integral DIN rail mounting groove and retaining clip mechanism. It can be installed on the DIN rail track provided within a WattStopper enclosure (e.g., LS-E8, LSE12), or in a WattStopper lighting control panel.

OPERATION

The **ELCU** monitors a single circuit that provides normal lighting to an area. As long as normal power is present, the **ELCU** permits lighting control devices (i.e., occupancy sensors, panels, dimmers, or wall switches) to control the emergency lighting fixtures as well as the general lighting. If power is lost for any reason, including the tripping of a single branch circuit breaker, the **ELCU** will force the emergency fixtures for that area on. The **ELCU** can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails.

SPECIFICATIONS

Supply Voltage	120/277 VAC; 60 Hz	Dimensions	2.78"H x 3.44"W x 2.63"D (7.1 x 8.7 x 6.7 cm)
Contactors Ballast	10A @ 120 VAC; 10A @ 277 VAC	Housing Type	Fire rated V-0, 80°C
Contactors Motor	1HP @ 120 VAC maximum load	Approvals	UL 924 listed, file #E302768
Contactors Tungsten Activation	2A @ 120 VAC maximum load Supplies 24 VDC source for dry contact closure	Meets NFPA, OSHA, and NEC safety codes	
Test Control	Push-to-test button on unit	Weight	1.0 lb (0.45 kg)
		Warranty	5 years

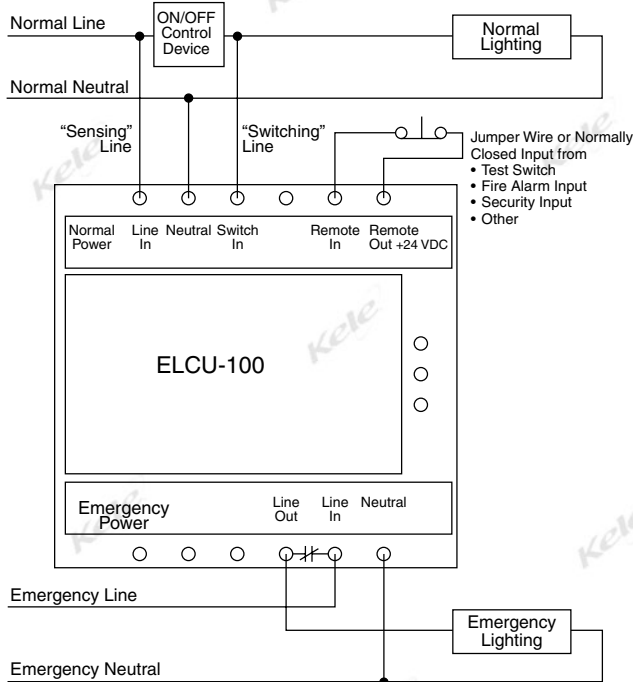
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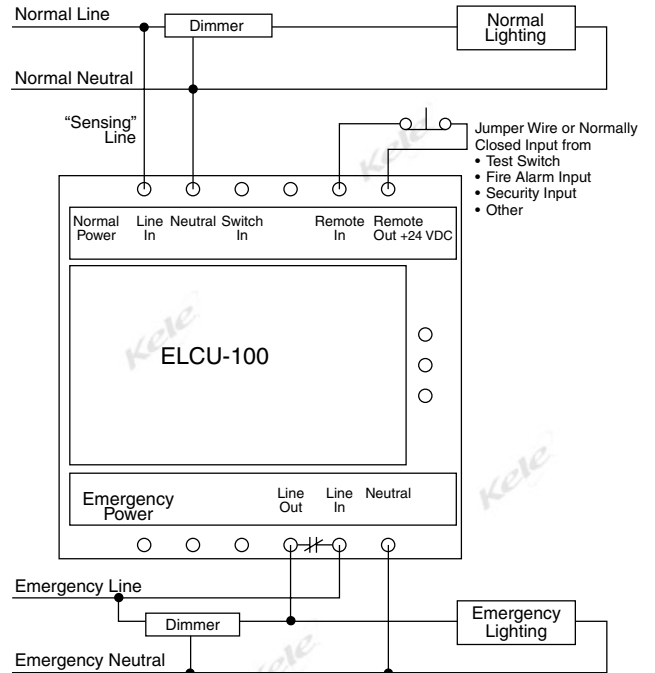
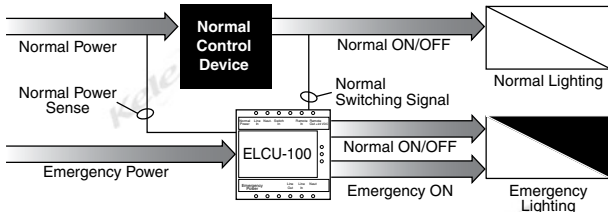
ELCU-100



WIRING

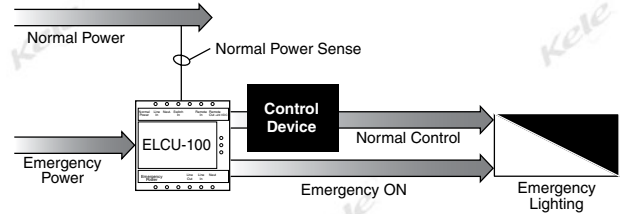


When wired as a control device, the ECLU receives a switching signal from the output of the control device (relay, switch, power pack, etc.)



When wired as a shunt, the switching line is not used.

Note: Use with WattStopper universal dimmers or contact dimmer manufacturer to determine the suitability of the specified dimmer for shunt operation.



ORDERING INFORMATION

MODEL
ELCU-100

DESCRIPTION
Emergency lighting control unit, 120/277 VAC 60 Hz

EMTS-100
LS-E12
LS-E8

ACCESSORIES
Remote test switch on single gang plate, 24 VDC, normally closed contact
Surface mount enclosure for up to 6 ECLU units, includes screw cover and DIN rail
Surface mount enclosure for 1 or 2 ECLU units, includes screw cover and DIN rail