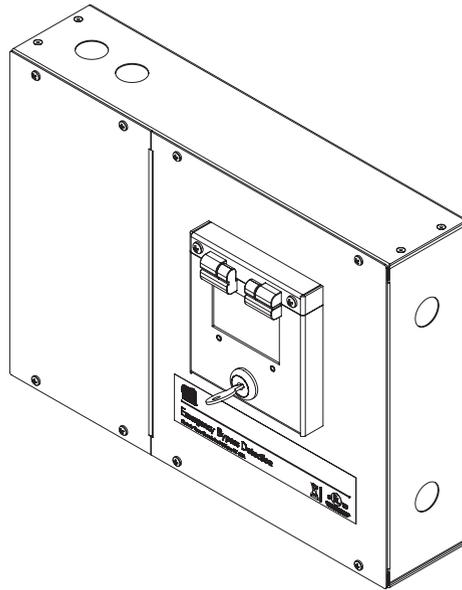




100V 120V 240V 277V

Emergency Series



GENERAL INFORMATION

The Emergency Bypass Detection Kit monitors a normal power feed in single or three phase systems, and generates a maintained contact closure upon loss of power to trigger the UL924 listed Emergency Lighting Bypass Operation in ETC Dimming and Switching products.

APPLICATIONS

- Churches
- Hotels
- Convention Centers
- Theatres
- Schools
- Restaurants

FEATURES

- Self-contained unit provides sensing for power loss and trigger
- Compatible with Single or Three-phase power systems
- Compatible with 100V-277V power systems
- Fully automatic sensing
- Provides up to three independent outputs configurable for normally-open or normally-closed operation
- Rugged metal enclosure with integrated breaker for over current protection
- EBDK-TAP allows easy integration with the Unison DRd enclosure eliminating the need for an external breaker when power is sensed from a normal powered DRd enclosure
- EBDK-SWITCH provides a manual restore switch requiring user intervention to restore normal lighting operation

GENERAL

- UL and cUL Listed

ORDERING INFORMATION

Emergency Bypass Detection Kit

MODEL	DESCRIPTION
EBDK	Emergency Bypass Detection Kit

Emergency Bypass Detection Accessories

MODEL	DESCRIPTION
EBDK-TAP	Unison DRd Emergency Sense Feed Tap Kit
EBDK-SWITCH	Emergency Bypass Restore Switch

EBDK ACCESSORIES

EMERGENCY BYPASS RESTORE SWITCH

- Easy to identify station labeled 'Lighting System Restore'
- Prevents the system from returning to normal lighting while egress is occurring
- Single-button operation with red backlit switch
- Switch is illuminated during emergency lighting bypass operation
- Simple wiring using two #16 AWG wires
- Up to two restore switches may be connected to a single EBDK

UNISON DRD TAP KIT

- Designed for use in all Unison DRd Enclosures
- Accommodates sensing of normal power from a Unison DRd Enclosure
- Includes wire leads and fuse block for over-current protection
- Eliminates the need for an external circuit breaker



SPECIFICATIONS

FUNCTIONAL

- Compatible with single or three-phase lighting systems from 100V to 277V
- Provides dry contact closure output to ETC dimming and switching products for UL924 Listed emergency lighting applications
- Automatic sensing of normal power loss
- Supports the Emergency Bypass Detection Kit Restore Switch requiring manual return to normal lighting

MECHANICAL

- Enclosure and cover are constructed of 16 gauge (.08) steel and are finished in a black fine-texture powder coat paint
- Designed for Wall-mount applications
- Removable Cover
- Internal voltage barrier provides separate wiring compartments between Power and control wiring
- Hinged locking door covers integrated breaker to prevent accidental tripping

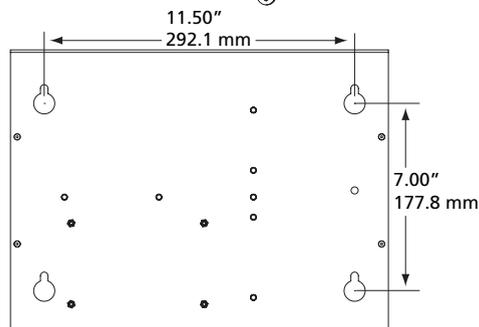
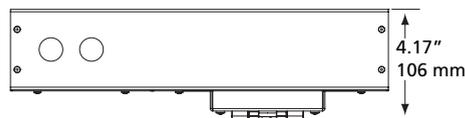
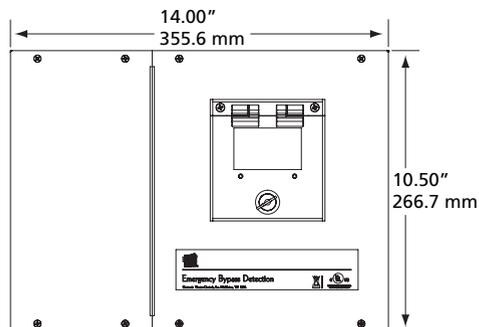
ELECTRICAL

- Supports input voltage from 100V up to 277V
- Phase Loss Detection Circuitry provides a factory set delay of 0.5 seconds to prevent nuisance tripping
- Integrated Circuit Breaker for over-current protection and simulation of power loss
- Isolated outputs for connection to multiple ETC products including Sensor®+, Unison® DRd, and Smart Solutions™ SmartPack and SmartSwitch
- Up to 8 dimming or switching products may be connected to each output
- All wiring terminations are made using provided terminals
- Input and output terminals accept #8AWG to #22AWG wiring
- Simple wiring for single or three-phase systems
- Normally-closed input for fire alarm systems provided
- Optional manual Lighting Restore Switch (EBDK-SWITCH) available
- Optional tap kit (EBDK-TAP) available

THERMAL

- Ambient room temperature: 0-40°C / 32-104°F
- Ambient humidity: 10-90% non-condensing

PHYSICAL



Product Dimensions

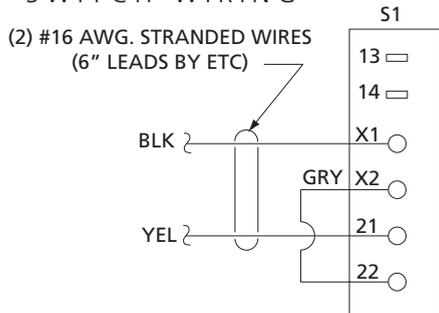
MODEL	HEIGHT		WIDTH		DEPTH	
	inches	mm	inches	mm	inches	mm
EBDK	10.5	267	14.0	356	4.2	107
EBDK-TAP	1.25	31.8	2.5	63.5	2.25	57.2
EBDK-SWITCH	4.5	114	3.0	76	3.0	76

Product Weights*

MODEL	WEIGHT		SHIPPING WEIGHT	
	lbs	kgs	lbs	kgs
EBDK	10.6	4.8	13.2	6.0
EBDK-TAP	1.3	0.6	1.9	0.9
EBDK-SWITCH	0.1	0.05	0.4	0.18

*Weights and dimensions typical

EBDK – SWITCH WIRING



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