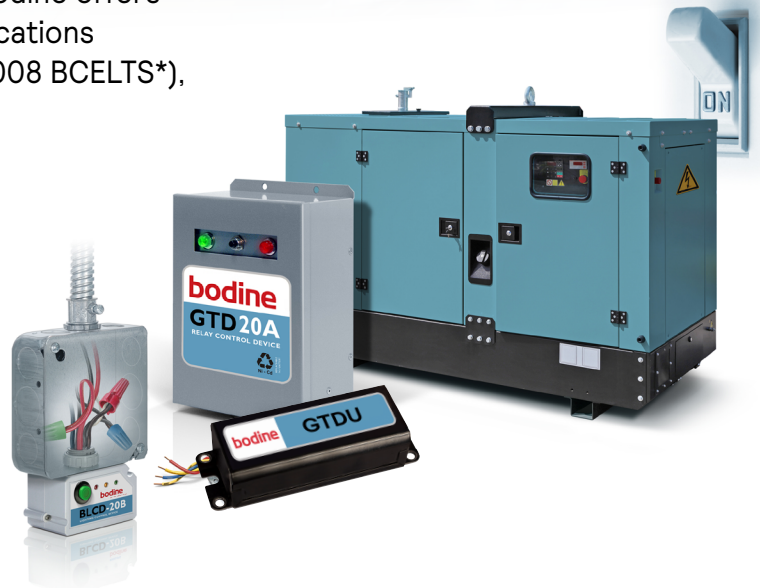




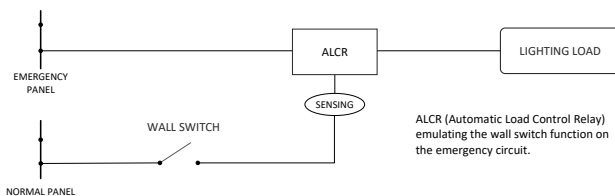
Emergency lighting for generator and central inverter systems

Generators are often employed to back up the normal power supply for important systems, such as lighting. Bodine offers emergency lighting products for generator applications including transfer between power sources (UL 1008 BCELTS*), automatic load control (UL 924 ALCR*), or both.

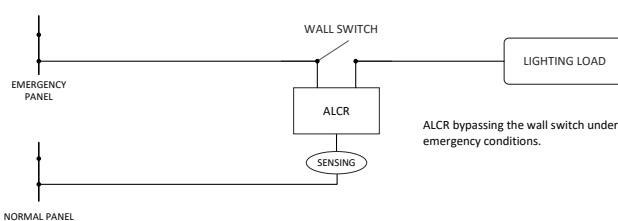
UL924 ALCR devices are used in conjunction with a generator or central inverter system to supply emergency lighting regardless of local light switch position. This means emergency lighting is no longer dependent on expensive and wasteful night light circuits. Normal lighting can be turned off at the end of the day or whenever it's not needed without jeopardizing emergency lighting operation. These devices sense normal power and switch power to the lighting load as required based on their configuration.



UL 924 CONTROL
ALCR EMULATING A WALL SWITCH

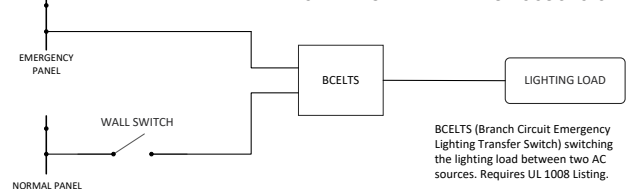


UL 924 BYPASS
ALCR BYPASSING A WALL SWITCH



UL1008 BCELTS devices sense the loss of normal power and, in response, switches lighting loads to a generator- or inverter-fed circuit. This can be accomplished for an entire lighting circuit (up to 20 A) with the GTD20A or on an individual fixture basis when using the GTDU.








UL 1008 BCELTS
TRANSFERRING BETWEEN TWO AC SOURCES



* The current National Electrical Code requires any device which switches power between two sources to be a Listed transfer switch meeting the requirements of the UL 1008 Transfer Switch Equipment standard. BCELTs stands for Branch Circuit Emergency Lighting Switch and is a special category within UL 1008 and is specific to lighting for emergency lighting circuits. ALCR means Automatic Load Control Relay which fall under UL 924 Emergency Lighting and Power Equipment standard. These products do not switch between two sources of power like transfer switches. They either bypass a local switch or emulate the switch state based on input status. In addition, the emergency lighting load is always fed from an emergency circuit breaker panel whereas a transfer switch permits the emergency lighting load to be fed from the normal circuit breaker panel.



Bodine Generator Transfer/Switching Products

		Single Luminaire or Branch Circuit	UL924 Bypass	UL924 Control	UL1008 Transfer	0-10V Dimming Override	Load Rating	Input	Special Features
GTDU 12NC: 913702479201		Single	✓		✓	✓	2 A Electronic Ballast/Driver	120-277 Vac, 50/60 Hz	<ul style="list-style-type: none"> -20°C to +65°C (-4°F to 149°F) Fire alarm and security panel interface (contact factory for details)
GTD10DIM 12NC: 913702478501		Single	✓	✓		✓	10A max electronic driver/ballast rating	120-277 VAC, 50/60Hz	<ul style="list-style-type: none"> -35° C to 60° C (-31° F to 140° F) Plenum Rated (UL2043) NEMA 1 enclosure. Fire alarm, security panel, or remote test switch interface (contact factory for details)
GTD 12NC: 913710834802		Single	✓				3A max electronic driver/ballast rating	120/277 VAC, 60 Hz	<ul style="list-style-type: none"> -20°C to +65°C (-4°F to 149°F)
GTD20A 12NC: 913710855502		Branch	✓		✓	✓	20A max for LED and fluorescent loads	120-277 VAC, 50/60Hz	<ul style="list-style-type: none"> -20°C to +55°C (-4°F to +131°F) Robust enclosure with knockouts and space for electrical connections.
BLCD-20B 12NC: 913702445901		Branch	✓	✓			20A max for LED and fluorescent loads; 10A max for incandescent loads	120/277 VAC, (Auto Select) 50/60 Hz	<ul style="list-style-type: none"> 0°C to +50°C (+32°F to +122°F) Not compatible with 0-10V dimming systems Compact, able to be mounted directly to J-box Fire alarm, security panel, or remote test switch interface (contact factory for details)
BLCD16DIM 12NC: 913702478401		Branch	✓	✓		✓	16A max electronic driver/ballast rating	120/277 VAC, 50/60 Hz	<ul style="list-style-type: none"> -35° C to +60° C (-31° F to +140 °F) Plenum Rated (UL2043), able to be mounted directly to J-box Fire alarm, security panel, or remote test switch interface (contact factory for details)
BFAI20 12NC: 913702494501		Branch	✓	✓			10A max (general purpose)	24VDC or 120/277 VAC, 50/60 Hz	<ul style="list-style-type: none"> -34° C to +60° C (-30° F to +140 °F) Plenum Rated (UL2043), able to be mounted directly to J-box Fire alarm or security panel interface (contact factory for details)

Please visit www.bodine.com/generator to find addition product information, including specification sheets and installation instructions with complete wiring diagrams. If any questions, please call 1-888-BODINE-8 or email bodinetechn@signify.com.



© 2022 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

Signify North America Corporation
400 Crossing Blvd, Suite 600
Bridgewater, NJ 08807
Telephone: 855-486-2216

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone: 800-668-9008

All trademarks are owned by Signify Holding or their respective owners.