

# Emergency Lighting Control Unit

CBI's Emergency Lighting Control Unit provides state of the art technology to deliver high performance & high reliability. The HLR unit is a self-contained "Smart System" which not only allows testing of emergency escape lighting & exit signs within a building, it also controls these circuits.



The CBI Emergency Lighting Control Unit senses supply failure as per the requirements of AS2293.1-2005 (Clause 2.3.3). These units come complete with testing facilities to complete the required discharge test, & reset functions including LED Indication on the status of supply, sensing circuits, test in progress & reset timing.

## FEATURES

- DIN rail mounting for incorporating within distribution switchboards.
- Available in a self-contained enclosure with a NC Contactor & lockable hinged door (HELCR3 & HELCR12).
- LED status indicator
- Provision for sensing up to 3 x 240/415V lighting circuits (HLR3) & 12 x 240/415V lighting circuits (HLR12) can be different phase.
- Test button simulates lighting circuit failure & initiates automatic two (2) hour minimum (battery discharge) time delay.
- RESET button aborts test function.
- Selectable 10 second or 10 minute reset delay following the restoration of normal supply to all sensing circuits.
- 10-minute delay can eliminate the need for immediate restrike lighting (HLR12)

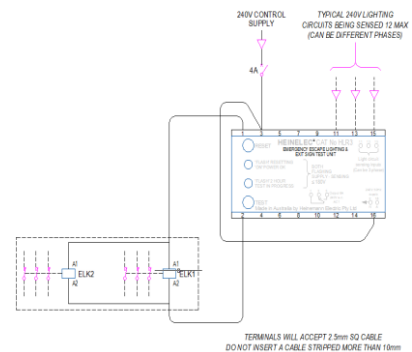
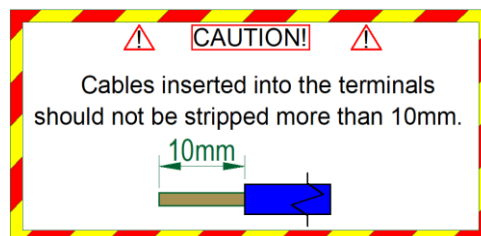
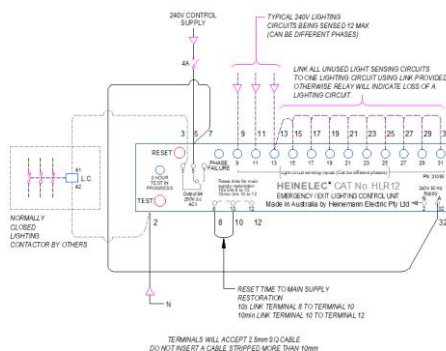
## APPLICATION

- Provides under voltage sensing & voltage sensing for up to 3 lighting circuits (HLR3) & 12 lighting circuits (HLR12), together with control, timing, test & reset functions for emergency escape lighting & exit signs within buildings in accordance with the appropriate clause of AS 2293.1-2005 & as defined in the Building Code of Australia.
- Factory fitted within new distribution switchboards.
- Factory fitted within lockable load centres.
- Retrofit to existing distribution switchboards
- Complies with appropriate clauses of AS2293.1-2005
- HLR3 unit dimensions (H x W x D) 87mm x 72mm x 75mm
- HLR12 unit dimensions (H x W x D) 87mm x 144mm x 75mm

## TECHNICAL DATA



EMERGENCY LIGHTING CONTROL UNIT		
FEATURES	HLR3	HLR12
Sensing Circuits	Three	Twelve
Sensing Circuit Voltage (50hz)	240/415V	240/415V
Sensing Circuit Operation	<180V with reset at >210V	<180V with reset at >210V
Sensing Circuit Withstand	1kV	1kV
Supply Voltage (50hz)	240V	240V
Power Consumption	13 Watts	14 Watts
Output Contact Rating	6AAC1 at 240V ac (Use in conjunction with NC Contactor)	6AAC1 at 240V ac (Use in conjunction with NC Contactor)
Output Contact	Closed for normal operation. Open for emergency lighting test/operation.	Closed for normal operation. Open for emergency lighting test/operation.
Temperature Range	-10°C to 55°C	-10°C to 55°C
LED Status Indication	Power OK, Test in progress	Phase failure, Circuit sensing, Test in progress
Reset Time Delay	10 seconds	Selectable: 10 seconds or 10 minutes



### HEAD OFFICE

**MELBOURNE**  
27 Wedgewood Road,  
Hillam VIC 3803

T 1800 770 870  
F 1300 509 263  
E [headoffice@cbi-electric.com.au](mailto:headoffice@cbi-electric.com.au)

### SALES OFFICES

**VIC**  
T +61 3 875 29300  
F +61 3 979 65407  
E [sales@cbi-electric.com.au](mailto:sales@cbi-electric.com.au)

**WA**  
T 1800 770 870  
F 1300 509 263  
E [wa@cbi-electric.com.au](mailto:wa@cbi-electric.com.au)

### AGENTS

**QLD – Braid & Co.**  
T +61 7 4725 2927  
F +61 7 4725 4393  
E [sales@braid&co.com](mailto:sales@braid&co.com)

**TASMANIA - Electrical Agencies**  
T +61 3 6273 1855  
F +61 3 6273 1158  
E [elecag@bigpond.com](mailto:elecag@bigpond.com)