

Project/Location: \_\_\_\_\_

Contractor: \_\_\_\_\_

Date: \_\_\_\_\_

Prepared by: \_\_\_\_\_

# Zone Sensing ZCB Series

## Typical Specification

Each battery pack shall be provided with either internally or externally, zone sensing relays. These relays shall be pre-wired by the factory within the battery pack or pre-wired in their own enclosure. Each zone shall have it's own 'push to test' push button mounted on the side of the battery pack or in the case of a separate enclosure, on the enclosure door. Each zone push button shall be clearly identified to the corresponding branch lighting or exit circuit being monitored. Provide a minimum of two (2) spare zone circuits for future use. The zone sensing panel shall be equal to that of a Ready-Lite model ZCB-(number of zones)-(circuit rating)-(A.C. voltage of circuits and battery unit equipment)-(type of enclosure)-(options).

## Operation

The **ZCB (Zone Control Box)** option activates all of the emergency lighting if only one, multiple or all zones become de-energized through either a power failure or lighting circuit breaker tripping. This greatly enhances the life safety system, as any failure of a lighting circuit will ensure emergency egress lighting. A separate test button for each zone enables individual testing of each circuit monitored. The ZCB can be specified to be manufactured within a battery pack or in its own separate enclosure.

*NBCC 9.9.11.3.(3) Emergency lighting required in sentence (1) shall be designed to be automatically actuated when the electric lighting in the affected area is interrupted.*

*CEC46-304(4)(a) Unit equipment shall be:*

*(a) Installed in such a manner that it will be automatically actuated upon failure of the power supply to the normal lighting in the area covered by that unit equipment*

## How to specify or order

Series	Number of Circuits (Zones)	Packs and Circuits	Number of Battery Units Served	AC Voltage of Battery Packs	Cabinet	Options
<b>ZCP</b>	-1= one circuit -2= two circuits Additional circuits available	-120= 120Vac -347= 347Vac	-1= one battery pack -2= two battery packs	-120= 120Vac -347= 347Vac	-INT= installed in battery pack (max. 8 circuits) -EXT= installed in EEMAC 1 enclosure (max. 24 circuits) -EXT-A= installed in EEMAC 12 enclosure (max. 12 circuits) -EXT-IF= installed in EEMAC 4 enclosure (max. 12 circuits) -EXT-XP= installed in hazardous location enclosure (specify class, group & division – max. 6 circuits)	-PB= push button zone testing -PL= pilot lamp per zone

EXAMPLE: ZCB-4-120-1-120-INT-PB

## Typical ZCB-4C-15A120V-EXT Wiring

