

A Member of the ABB Group

### **Zone Sensing Option**



WARNING: **Risk of Eletrical Shock. Disconnect Power before Installation.** 



# **IMPORTANT SAFFGUARDS**

When using electrical equipment, basic safety precautions should always be followed including the following:

## READ AND FOLLOW ALL SAFETY **INSTRUCTIONS**

- 1. All servicing should be performed by qualified service personnel.
- 2. Do not use outdoors.
- 3. Do not let power supply cords touch hot surfaces.
- 4. Do not mount near gas or electric heaters.
- 5. Use caution when handling batteries. Avoid possible shorting.
- 6. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- 7. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- 8. Do not use this equipment for other than intended use.

# SAVE THESE INSTRUCTIONS

### **Installation instructions:**

Wiring must comply with the Canadian Electrical Code.

- 1. Turn off AC power.
- Open the cover of the unit. 2.
- Remove desired knockout in the unit housing. 3.
- 4. Drill extra access holes if necessary.

- 5. Install the unit in its intended location.
- 6. Connect AC wires (Line, Neutral) from each zone to their corresponding terminal blocks.
- 7. Connect (mains) AC wires to "Battery Pack Line IN" and "Battery Pack Neutral IN" Terminals.
- Connect "Battery Pack Line OUT" and "Battery Pack Neutral OUT" 8. terminals to respectively to AC inputs (Line and Neutral) of the Emergency Battery Unit (Battery Pack).
- 9. Close the cover.
- 10. Energize the line circuits.

#### **Testing the Zone Sensing:**

#### Standard units

Standard Units are not equipped with test buttons or pilot lights for each zone.

To test a standard unit, turn off, one by one, the breaker of each AC zone to be monitored. The battery unit will turn the emergency lights ON.

#### Unit equipped with Test buttons and Pilot Lights options.

Push the test button for each zone individually. The battery unit will turn the emergency lights ON every time a push button is pressed.

#### **Pilot Lights Option**

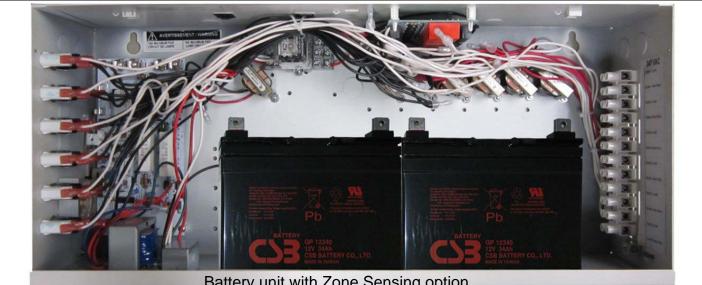
If functioning normally the pilot light for every zone will be ON. When testing a specific zone the pilot light of that zone will turn OFF.

#### Time Delay Option in Emergency Battery Unit (Battery Pack)

If the emergency battery unit has a time delay option, the emergency lights will stay ON during the time delay period every time a battery unit comes back after a power outage. Please note that a test event triggered by the zone sensing unit (whether by pressing a push button or by turning off the zone breakers) will simulate a power outage. Refer to the instruction sheet of the emergency battery unit.

#### Maintenance

None required.

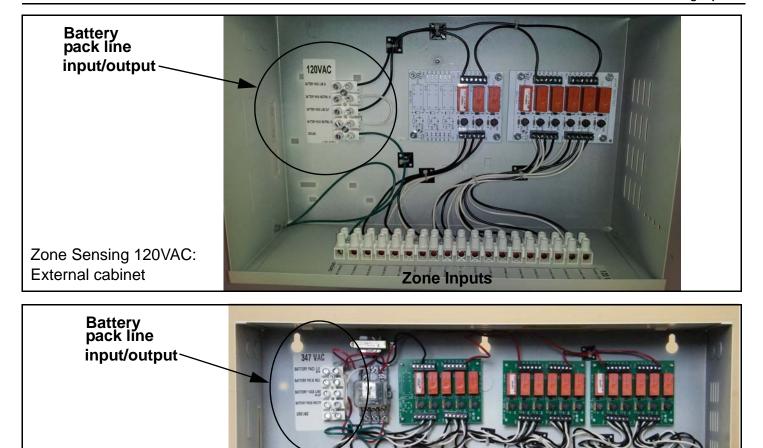


Battery unit with Zone Sensing option

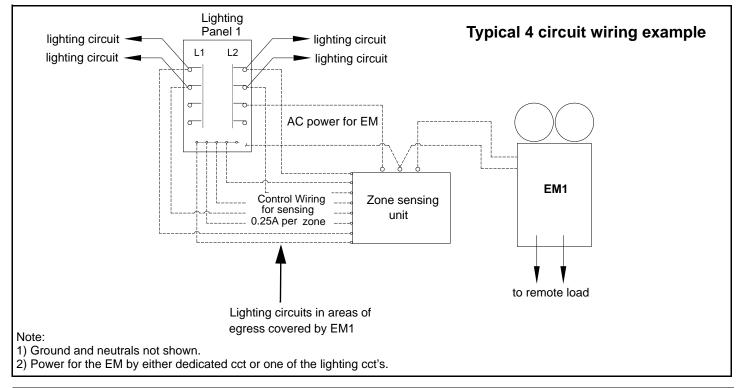


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### **Zone Sensing Option**



Zone Sensing 347VAC: External cabinet



Zone Inputs