

# ***EXIT SIGNS & EXIT AND EMERGENCY COMBINATION UNITS INSTALLATION INSTRUCTIONS***

## ***IMPORTANT SAFEGUARDS:***

*WHEN USING ELECTRICAL EQUIPMENT BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE OBSERVED INCLUDING THE FOLLOWING:*

- ***READ AND FOLLOW ALL SAFETY INSTRUCTIONS.***

- *Do not use outdoors.*
- *Do not let power supply cords touch hot surfaces.*
- *Do not mount near gas or electric heaters.*
- *Use caution when handling batteries. Avoid possible shorting.*
- *Equipment should be mounted in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.*
- *The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.*
- *Do not use the equipment for other than its intended use.*

***SERVICE OF THIS EQUIPMENT SHOULD BE PERFORMED BY QUALIFIED SERVICE PERSONNEL.***

### ***WALL MOUNT INSTALLATION INSTRUCTIONS:***

1. *Turn off AC power.*
2. *Remove the back cover and front stencil cover from the frame by inserting a slot blade screwdriver into slots in frame and gently pushing snaps free of frame.*
3. *The unit is provided with three INTEGRAL lead wires. Black for 120V, orange for 277V and white for neutral. An additional two SPLICE wires (black for line and white for neutral) are provided loose in the installation packet.*
4. *Connect the black SPLICE wire to the supply circuit "hot" conductor. Connect the white SPLICE wire to the supply circuit neutral conductor. Route both wires through the knockout in the back plate.*
5. *Secure the back plate to the junction box using screws.*
6. *Snap the frame onto the back plate.*
7. *Push the black SPLICE wire into the TOP orange push-in terminal block. Push the INTEGRAL black (if supply voltage is 120V) or orange (if supply voltage is 277V) lead wire into the same TOP orange push-in terminal block. Note, do not insert both wires into the same hole.*
8. *Push the white SPLICE wire into the BOTTOM orange push-in terminal block. Push the INTEGRAL white lead wire into the same BOTTOM orange push-in terminal block. Note, do not insert both wires into the same hole.*
9. *Insulate or cap off the unused INTEGRAL black or orange wire.*
10. *Route all wires between unit channels in frame using slots in inner channel. DO NOT MAKE WIRE CONNECTIONS IN STENCIL CAVITY. All wire splices/connections must be made in junction box and using the push-in terminal blocks.*
11. *For self powered exits and all combination units, connect battery leads. Note, if exit sign LED's do not come on immediately, retest after charging for 24 hours.*
12. *Snap out directional chevrons from stencil face as needed. Install stencil face onto frame.*
13. *Turn on AC power.*

### **CEILING (TOP) MOUNT AND/OR END (SIDE) MOUNT INSTALLATION INSTRUCTIONS:**

1. Turn off AC power.
2. Remove the back cover and front stencil cover from the frame by inserting a slot blade screwdriver into slots in frame and gently pushing snaps free of frame.
3. The unit is provided with three INTEGRAL lead wires. Black for 120V, orange for 277V and white for neutral. An additional two SPLICE wires (black for line and white for neutral) are provided loose in the installation.
4. Install spider plate provided in mounting kit to the junction box.
5. Remove the top (or side) cover panel from unit frame. Discard cover panel. Feed black and white SPLICE wires through the entry of the mounting canopy. Proceed to feed SPLICE wires through the top (or side) entry holes in unit frame.
6. Remove the two plastic pins from the top (or side) canopy receptacle. Mate the canopy with the unit frame and reinstall plastic pins.
7. Connect the black SPLICE wire to the supply circuit "hot" conductor. Connect the white SPLICE wire to the supply circuit neutral conductor. Make these connections in the junction box, not in unit cavity.
8. Secure the canopy to junction box using provided screws.
9. Push the black SPLICE wire into the TOP orange push-in terminal block. Push the INTEGRAL black (if supply voltage is 120V) or orange (if supply voltage is 277V) lead wire into the same TOP orange push-in terminal block. Note, do not insert both wires into the same hole.
10. Push the white SPLICE wire into the BOTTOM orange push-in terminal block. Push the INTEGRAL white lead wire into the same BOTTOM orange push-in terminal block. Note, do not insert both wires into the same hole.
11. Insulate or cap off the unused INTEGRAL black or orange wire.
12. Route all wires between unit channels in frame using slots in inner channel. **DO NOT MAKE WIRE CONNECTIONS IN STENCIL CAVITY.** All wire splices/connections must be made in junction box and using the push-in terminal blocks.
13. For self powered exits and all combination units, connect battery leads. Note, if exit sign LED's do not come on immediately, retest after charging for 24 hours.
14. Snap out directional chevrons from stencil face as needed. Install stencil face onto frame.
15. Turn on AC power.

### **TESTING:**

To test, depress test switch. For exit signs the LED's should remain on under battery power. For exit and emergency combination units the emergency lamps will illuminate. When switch is released, lamps will go off. Allow 24 hours charging before full load testing.

### **MAINTENANCE:**

None required, however unit should be tested periodically in accordance with NEC, Life Safety and other applicable codes. If unit fails to operate as described, disconnect battery and AC circuit, and check all wiring. Contact either the factory or trained service personnel if further assistance is required.

### **IMPORTANT NOTICE:**

Combination units are furnished with a low voltage disconnect circuits to prevent damage by over discharging the battery. However, if the AC supply is to be disconnected for a prolonged period, the battery **MUST BE DISCONNECTED.**

### **RELAMPING:**

Relamp Only with Sinan Model T-5 Clear Type Lamps.

## **SAVE THESE INSTRUCTIONS.**