

OPERATION

Automatic Tests

The unit will automatically initiate a self-test/self-diagnostic cycle based on the following table:

Testing Period	Duration of Test
Once a month	1 minute
Once every 6 months	Alternating: 30 minutes or 90 minutes

Manual Tests

By using the unit's test switch or laser pointer, one can initiate different duration test cycles based on the following table:

Initiating Action	Test Cycle
Press test switch/flash sensor once	1 minute
Press test switch/flash sensor twice	90 minutes

Pressing test switch or flashing laser sensor at any time after a 90 minute test cycle has begun cancels the remainder of the 90 minute test and returns the unit to normal operation. See page 3 for laser pointer test details.

LED Status Indicator:

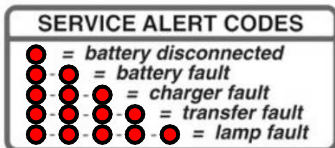
A green/red LED is provided on the control pane of all models equipped with the Spectron option.

Green Operating Status LED:

The green Operating Status LED serves as both an AC power and self-test indicator. During normal operation, the green Operating Status LED will be illuminated, indicating the presence of AC power. During all automatic or manual self-test cycles, the green Operating Status LED will blink "twice" per second for the 30 / 90 minute test.

Red Service Alert LED:

Under normal operating conditions, the red Service Alert LED indicator will remain off. If the Spectron controller detects a malfunction, the red Service Alert LED will blink in the pattern listed on the label around the test button.



Maintenance

This emergency lighting unit should be tested and maintained in accordance with National Electrical Code and NFPA 101 Life Safety Code requirements. It is recommended that emergency light fixtures be tested for 30 seconds once a month and for 90 minutes once a year.

Taking A Unit Out Of Service

If a unit is to be deliberately taken out of service for an extended period, the battery lead connector should be disconnected from the charger circuit board and insulated so that the battery will go into storage in a fully charged condition.

Replacing The Battery (Emergency units only)

1. De-energize the AC power.
2. Remove the cover.
3. Disengage the battery harness from the charger PCB harness.
4. Disconnect the battery strap and remove battery pack.
5. Replace with new battery (see unit model label or battery label for correct p/n) and repeat steps above in reverse.

Troubleshooting

- "EXIT" legend does not illuminate

- Check wiring connections

- Emergency circuit does not work

- Batteries are shipped uncharged and disconnected. Connect battery leads and charge 24 hours before testing.
- Make sure the charger board and test button/light pipe are properly seated and aligned.
- Check wiring connections



RECYCLING INFORMATION

All steel, aluminum and thermoplastic parts are recyclable.
 NOTICE: Emergency units contain rechargeable batteries which must be recycled or disposed of properly.

DUAL LITE®

curVista™

Architectural Cast Aluminum Exit Sign
 Standard, Emergency and Spectron® Equipped Models
 Installation, Operation, and Service Instructions



IMPORTANT SAFEGUARDS

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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. Do not let power supply cords touch hot surfaces.
2. Do not mount near gas or electric heaters.
3. Equipment should be mounted in locations and at heights where it will not readily be subject to tampering by unauthorized personnel.
4. The use of accessory equipment not authorized by the manufacturer may cause an unsafe condition.
5. Do not use this equipment for other than its intended purpose.
6. Servicing of this equipment should be performed by qualified service personnel.
7. Test cycling: the Life Safety Code (NFPA 101) requires testing of emergency lighting units once a month for a minimum of 30 seconds, and once a year for a minimum of 90 minutes.

INSTALLER:

- SEE UNIT LABEL FOR ADDITIONAL MODEL SPECIFICATIONS
- SAVE THESE INSTRUCTIONS FOR USE BY OWNER/OCCUPANT

WARNING- This product contains chemicals known to the State of California to cause cancer, birth defects, and/or other reproductive harm. Thoroughly wash hands after installing, cleaning, or otherwise touching this product.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

WALL MOUNT

4. Feed wires along wire management collar and reattach it to housing.

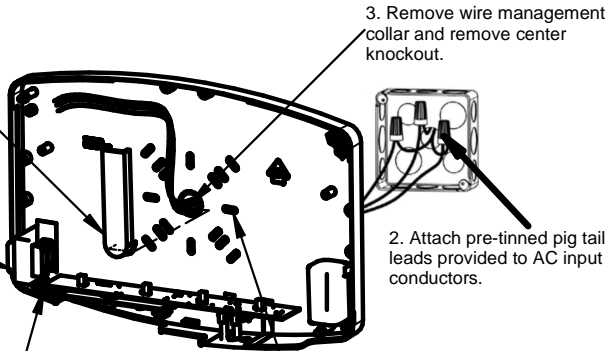
5. Make AC connections using quick connectors provided. Dress connectors in channel to allow proper closing of sign.

AC Transformer

120 VAC - black & white leads
277 VAC - red & white leads

6. Attach 3-pin battery connector to PCB as shown (emergency models only).

7. Align ball studs and receivers with counterparts to close unit.



3. Remove wire management collar and remove center knockout.



2. Attach pre-tinned pig tail leads provided to AC input conductors.

1. Before mounting remove appropriate knockouts for wall box screws. Remove directional chevron arrow(s) from face if required. See knockout instructions for more details.

CEILING OR END MOUNT

6. If end mounting, move mounting screws from top center of sign to side bosses as shown. Slide screw heads through canopy bracket, position sign, and tighten mounting screws.

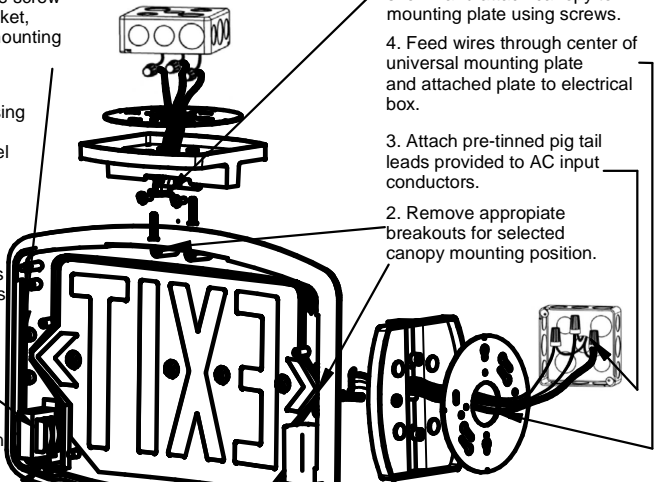
7. Make AC connections using quick connectors provided. Dress connectors in channel to allow proper closing of sign.

AC transformer

120 VAC - white & black leads
277 VAC - red and white leads

8. Attach 3-pin battery connector to PCB as shown (emergency models only).

9. Align ball studs and receivers with counterpart to close unit.



5. Feed wires through center of mounting canopy on the installer side of connection bracket as shown and attach canopy to mounting plate using screws.

4. Feed wires through center of universal mounting plate and attached plate to electrical box.

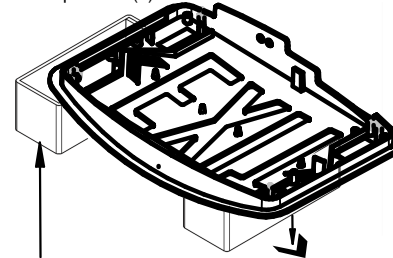
3. Attach pre-tinned pig tail leads provided to AC input conductors.

2. Remove appropriate breakouts for selected canopy mounting position.

1. Before mounting sign, remove directional chevron arrow(s) if required. See knockout instructions for more details.

CHEVRON KNOCKOUT

If chevron arrow needs to become visible: Remove diffuser. Drive arrow out from inside of sign. Tap around the entire perimeter for a clean breakout. Replace diffuser and secure it with provided pal nuts (4).



NOTE: It is suggested to use an elevated surface such as the packaging inserts to knockout the chevron arrow(s), as to not create scratches in the EXIT face surface.

IMPORTANT: Option connection wires must be run before sign housing is attached to the canopy.

FIRE ALARM PANEL (-FAP) OPTION

FAP option connects to 24 volt AC or DC (purple wires). Flash Rate: .5 seconds on, .5 seconds off.

DC REMOTE (-DC) OPTION

DC remote option connects to 6-24 volt DC [yellow(-), blue(+)].

FLASHER MODULE (-FM) OPTION

Emergency Mode Flash Rate: .5 seconds on, .5 seconds off.

AUDIBLE/FLASHER MODULE (-AF) OPTION

Emergency Mode Beep/Flash Rate: .5 seconds on, .5 seconds off.

DUAL CIRCUIT (-2C) OPTION

Connect dual-circuit primary transformer wires to unitly source.
120vac - connect black and white leads.
277vac - connect red and white leads.

Connect dual-circuit secondary transformer wires to unitly source.
120vac - connect black and white leads.
277vac - connect red and white leads.

OPERATION

"AC ON" LED is illuminated green when AC power is present.

NOTE: All models are supplied with an AC Lockout circuit, which prevents the emergency lights from illuminating when the battery is connected and no AC power is present.

NOTE: All models are supplied with Low Voltage Disconnect circuit, which prevents damage to the battery from deep discharge during prolonged emergency operation.

NOTE: Batteries are often shipped in a discharged state – this is normal. The battery will require charging. Allow 24 hours of charging before testing the unit.

Models equipped with SPECTRON® Self-Testing/Self-Diagnostic Circuitry provide:

- Visual indication of AC power status
- Visual indication of self-diagnostic test cycle
- Visual indication of any unit malfunctions including:
 - Battery Disconnected ■ Battery fault ■ Transfer Fault ■ Charger fault ■ Lamp fault

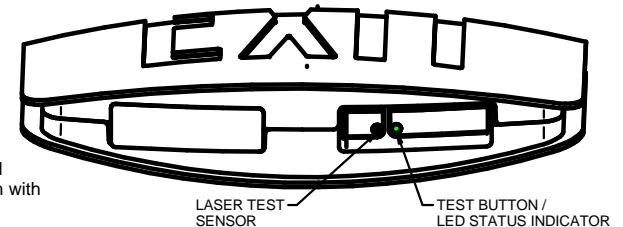
SPECTRON® equipped units also include:

Brownout protection: unit will automatically transfer to emergency operation upon detection of low AC power (approximately 80% of nominal line).

Time Delay Retransfer: upon return of normal AC power, unit will remain in the emergency mode for an additional 15 minutes to allow AC power to stabilize.

Laser Activated Testing

Units are equipped with a laser activated testing feature which allows test initiation with a laser pointer (sold separately).



- For a 1 minute test, aim laser beam onto laser test sensor until the "EXIT" legend flashes once and the green LED Status Indicator starts blinking twice every second. The unit will stay in this mode for the complete duration of the test.

- To change from a 1 minute test to a 90 minute test, aim laser again onto laser test sensor until the "EXIT" legend flashes once and the green LED Status Indicator starts blinking at a slower pace, once every second. The unit will stay in this mode for the complete duration of the test.

- To cancel test cycle, aim laser onto laser test sensor while the 90 minute test is in progress until the LED Status Indicator stops blinking and comes back to a solid green.

NOTE: Maintain a steady beam onto laser test sensor.