

# Installation Instructions

## NATL-5100HW

### 24V Class II Non-Dimmable Hardwire LED Driver

**READ PRIOR TO ATTEMPTING INSTALLATION**  
**ALWAYS TURN OFF MAIN POWER BEFORE INSTALLATION**  
**INSTALLATION SHOULD BE CARRIED OUT BY YOUR LOCAL ELECTRICIAN**

**⚠ IMPORTANT** - This equipment is intended to be installed only by qualified personnel. The installation must be made in accordance with the current edition of the National Electrical Code and all applicable state and local building codes. The final installation must be approved by the appropriate, qualified electrical/building inspector(s). Improper installation may result in a fire or electrical hazard. Be sure the electrical power to the circuit has been disconnected before installing this electrical system.

**⚠ IMPORTANT** - Cet équipement est destiné à être installé uniquement par du personnel qualifié. L'installation doit être faite conformément à l'édition actuelle du Code national de l'électricité et à tous les codes de construction locaux et nationaux applicables. L'installation finale doit être approuvée par un ou plusieurs inspecteurs qualifiés en électricité / bâtiment. Une installation incorrecte peut entraîner un incendie ou un risque électrique. Assurez-vous que l'alimentation électrique du circuit a été déconnectée avant d'installer ce système électrique.

ITEM NO.	INPUT	OUTPUT
NATL-5100HW	100-240VAC 50/60Hz	24V / 96W

DETERMINING THE MAX. # OF LUMINAIRES PER DRIVER
$(\text{Maximum Wattage of Driver}) \times 0.8 \text{ Safety Factor} \% \text{ Luminaire Wattage} = \text{Maximum \# of Luminaires}$

DETERMINING THE MAX. RUN (IN FEET) OF LINEAR LIGHT PER DRIVER
$(\text{Maximum Wattage of Driver}) \times 0.8 \text{ Safety Factor} \% \text{ Wattage Per Foot} = \text{Maximum Run of Linear Light}$

### PLEASE READ: IMPORTANT INFORMATION BEFORE INSTALLATION

- Always turn off power prior to installation or replacement.
- Risk of electric shock. Do not use any connection pins to touch any electrical conductors.
- Do not press directly on the top cover, as it may cause damage.
- This equipment is intended to be installed only by qualified personnel. The installation must be made in accordance with the current edition to the National Electrical Code and all applicable state and local building codes. The final installation must be approved by the appropriate qualified electrical/building inspector(s). Improper installation may result in a fire or electrical hazard. Be sure the electrical power to the circuit has been disconnected before installing the electrical system.

### INSTALLATION:

1. Make sure power is turned off.
2. Remove front screw and remove the transformer/driver cover.
3. Determine which side you are going to feed the transformer/driver through the knockout.
4. Feed the input and output cables through separate knockouts.
5. Apply strain relief to both cables and insert into knockout.
6. Remove the terminal block covers on the input and output sides of the driver.
7. For Output Connections: Connect the wire with red marking of power line connector to the positive low voltage red wire of transformer/driver. Then connect the other wire (without marking) of power line connector to the negative low voltage black wire of transformer/driver. A small flathead screwdriver will be needed.
8. For Input Connections: Connect the line (black) and the neutral (white) wires to their respective positions on the input terminal block. Connect the green ground wires to the ground position on the input terminal block. Use UL listed wire nuts and connectors for any wire connections. The transformer/driver case must be grounded in accordance with the N.E.C.
9. Replace transformer/driver cover.

### REPLACING THE DRIVER:

1. Make sure that the power is shut off prior to servicing driver.
2. Remove front screw and remove the transformer/driver cover.
3. Use a small flathead screwdriver to remove the input and output wires from their respective terminal blocks.
4. Use a screwdriver to remove the two screws securing the driver to the metal enclosure box.
5. Replace the driver and secure with the same screws from previous step and rewire accordingly.
6. Replace transformer/driver cover.

### WIRING DIAGRAM

