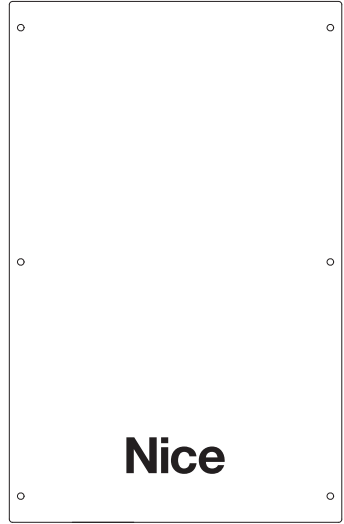


SH-PW-10



Nice Shades Power Distribution Panel

Installation Guide

Nice

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Introduction

The Nice SH-PW-10 is a panel that supplies 24VDC to up to 10 smart or edge motors. This unit provides motor connections for both power and CAN bus (control) for smart motors when connected to a SH-CT-50 that provides a single termination location.

Up to 5 panels can be linked to a SH-CT-50.

NOTE: Maximum wire distance between SH-CT-50 and the SH-PW-10 is 25' and 10' between additional SH-PW-10 panels.

Only use Nice shade wire (SH-NP-WIRE) for motors and power panel interconnections.

Included:

- Power Cord
- Power cord clips
- Phoenix connectors Screws
- Motor Cable strain relief clamp

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. **WARNING:** Do not use this apparatus near water. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
6. Clean only with dry cloth.
7. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatuses that produce heat.
8. Only use attachments or accessories specified by the manufacturer.
9. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
10. **WARNING:** To reduce the risk of electric shock, this equipment has a grounding type plug that has a third (grounding) pin. This plug will only fit into a grounding type outlet. If the plug does not fit into the outlet, contact a qualified electrician to install the proper outlet. Do not change the plug in any manner.

Pour réduire le risque de décharge électrique, cet équipement est doté d'une fiche de terre comportant deux lames et une troisième broche (de mise à la terre). Cette fiche ne s'adapte qu'à une prise murale qui accepte une troisième broche de mise à la terre. Si la fiche ne s'insère pas dans la prise, communiquer avec un électricien certifié pour faire installer une prise appropriée. Ne pas modifier la prise.

11. The detachable power supply cord shall be rated SJT or better.

Mounting

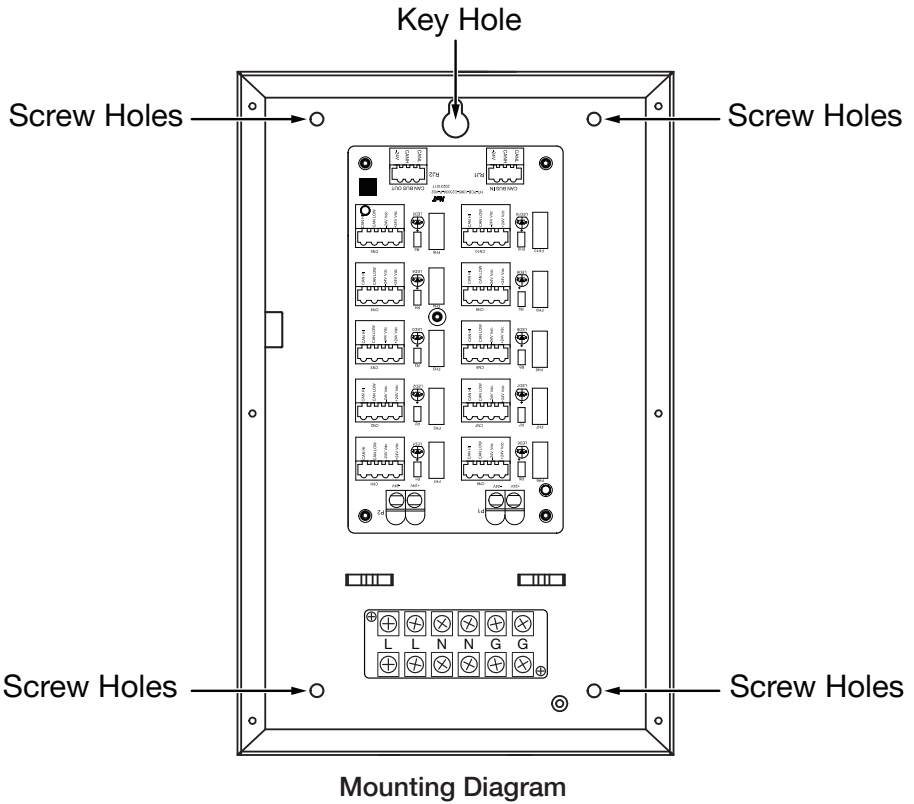
Place the SH-PW-10's in close proximity to the SH-CT-50. There are four holes and one keyhole that can be used to mount the panel (see **Mounting Diagram**, next page).

Mounting with the Keyhole

1. Mark the center hole, and insert a screw.
 - If not mounting to a stud, use a sheet rock anchor (panel weighs 4.6 kg.).
2. Level the panel, and install two additional screws in the lower screw holes to keep the panel secure and level.

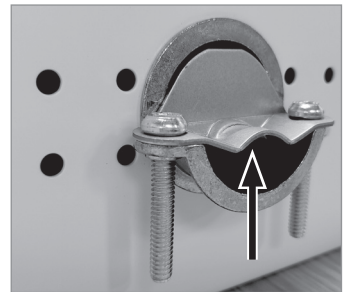
Mounting with Four Screws

1. Mark the four panel mounting screw holes level on the wall.
2. Install wall anchors (if needed).
3. Thread in screws through mounting holes into the wall behind.

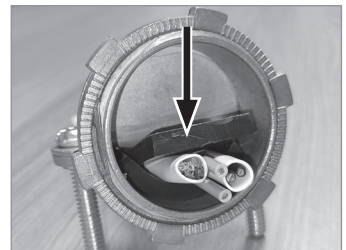


Run Shade Wires

After mounting the panel(s), run the shade wires into the box through the strain relief clamp at the top of the panel.



If only a few cables pass through the strain relief clamp, use the silicone rubber pads on the clamping surfaces to provide adequate retention.



Connecting

Smart Motors

Begin by stripping the Nice shade cable for all motors, and terminate to a phoenix connector:

- Yellow = CAN Hi
- Blue = CAN Lo
- Black = - 24 VDC
- Red = +24 VDC
- Green Wire

The green wire from the shade motor is used in three different ways:

a. **Needed to link SH-PW-10 panels**

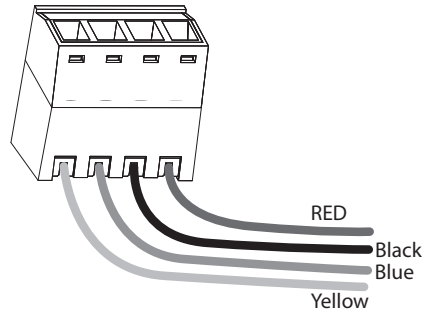
CAN bus needs an earth ground to be transmitted between each panel, SH-CT-50 or SH-PW-10 panel.

b. **Can be connected to Smart motors (22AWG Black wire)**

Some environments are problematic or noisy. Most of the time, these wires are run during construction. When the shades are installed and connected, sometimes unanticipated problems occur. This wire provides the ability to earth ground the smart motor in these situations.

c. **Used as the common for dry contact usage**

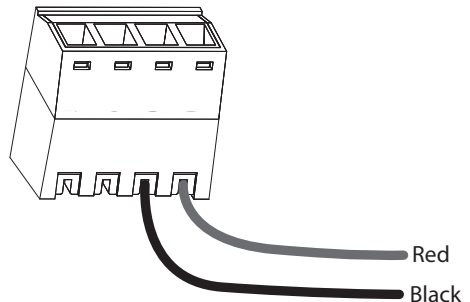
When a wire run is too noisy or too long, as a backup, the motors can be connected and use the built-in dry contact for up, stop and down.



Edge Motors

Edge motors use only 2 wires for power. Control is by wireless radio only. Strip the 14AWG (or larger) power wire, and terminate into the phoenix connector:

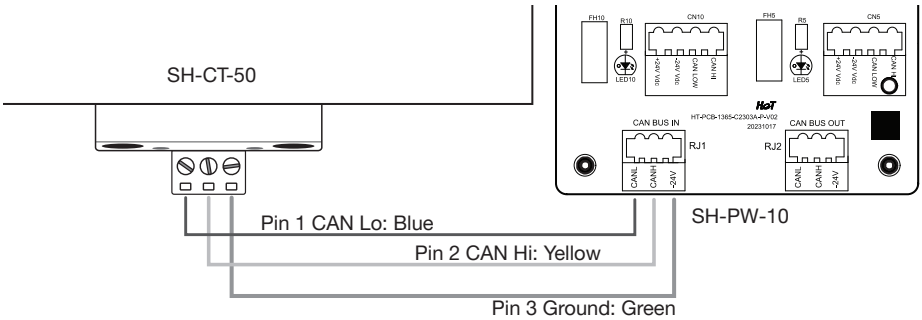
- Black = - 24VDC
- Red = +24VDC



2. Connecting to a SH-CT-50

- Run Nice Shade wire from the SH-PW-10 to the SH-CT-50.
- Connect to the **CAN In** connector in the SH-PW-10 using the wiring diagram below.
- On the SH-CT-50, terminate to the CAN output connector.

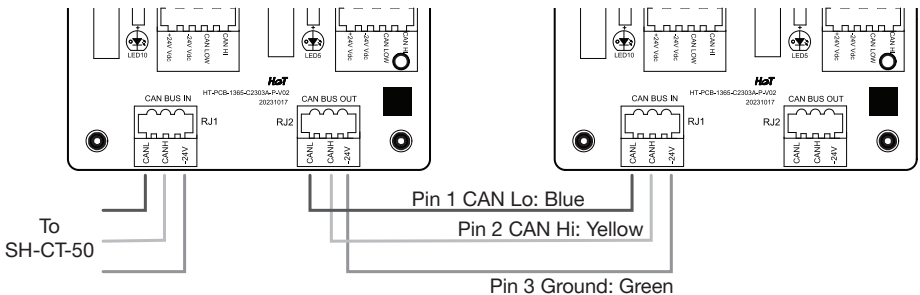
NOTE: Max wire length between the SH-CT-50 and SH-PW-10 is 25', use only Nice wire.



3. Linking to Other Panels

- Run Nice Shade wire between the SH-PW-10 panels.
- Connect to the **CAN Out** connector in the SH-PW-10 that connects to the SH-CT-50 (refer to the wiring diagram below).
- On the extension SH-PW-10, terminate to the **CAN In** connector.
- Continue for other local panels.

NOTE: Max wire length to a SH-PW-10 is 25', use only Nice wire.



4. Connect Power

Install the power cord into the bottom receptacle. Be sure to install the retention clips. Because the weight of the cord can disconnect it from the receptacle, the retention clip will prevent that possibility.



2 Year Warranty

This Nice product is warranted to the original consumer against defects in material and workmanship by Nice North America LLC:

This product is warranted to the original consumer against defects in material and workmanship for the periods mentioned above. Nice North America will repair, or at its option, replace, any device that it finds requires service under this warranty, and will return the repaired or replaced device to the consumer at Nice North America's cost. Devices must be sent to Nice North America for service at owner's expense. This warranty does not apply to damage to the product from negligence, abuse, abnormal usage, misuse, accidents, normal wear or tear or due to failure to follow Seller's instructions, or arising from improper installation, storage or maintenance. In no event will Nice North America be responsible for incidental, compensatory, punitive, consequential, indirect, special or other damages. The remedies provided by this warranty are exclusive. Some states do not allow the exclusion or limitation of incidental and consequential damages, so the above limitation or exclusion may not apply to you. Any warranties implied by law are limited to the time periods set forth above. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For warranty service and shipping instructions please contact Nice North America Technical Services at 760-438-7000. Prior to a Return Authorization number being approved and generated, troubleshooting will be required with a Nice North America technical services representative. In order to be protected by this warranty, save your proof of purchase or formal bill of sale as it may be required should service be needed. Contact Nice North America Technical Services for troubleshooting and consideration of a Return Authorization and other important details. For additional information on our warranty policies please reference <https://niceforyou.support/>

FCC Notice

This equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help. Any special accessories needed for compliance must be specified in the instruction.
5. **CAUTION:** Any changes or modifications not expressly approved by the guarantee of this device could void the user's authority to operate the equipment.

Industry Canada (IC)

ICES-003 Class B Notice. This Class B digital apparatus complies with Canadian ICES-003.

Technical Support:

760-438-7000

Technical Support Hours:

M – F, 6am – 4pm PST

Nice North America

c/o Customer Service
5919 Sea Otter Place, Ste. 100
Carlsbad, CA 92010

The logo for Nice, featuring the word "Nice" in a white, bold, sans-serif font centered within a solid black square.

Nice

Niceforyou.com

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