

SPA/HOT TUB PANEL



SPA-260b 60 AMP GFCI BREAKER WITH 15 AMP BRANCH CIRCUIT

OWNER'S MANUAL AND INSTALLATION GUIDE

PLEASE READ THIS MANUAL IN ITS ENTIRETY BEFORE INSTALLING AND/OR OPERATING YOUR SPA DISCONNECT PANEL. RETAIN THIS MANUAL FOR FUTURE REFERENCE.

The SPA-260b Spa Panel you have purchased is the finest available anywhere and with proper installation, will provide you years of dependable service.

Follow instructions carefully. For questions or assistance, contact your local electrical contractor or our Toll-Free Assistance number 1-800-730-2557. Before you start on a wiring installation or addition, contact your local building inspector for current local and National Electrical Code information. Local codes vary but are adopted and enforced to promote safe electrical installations. You may need a permit to do electrical work and codes could require your work be checked for safety by an electrical inspector.

This panel is engineered to meet the requirements of spas, fountains, swimming/lap pools, submersible devices and therapeutic equipment but is not limited to these applications.

IMPORTANT SAFETY INSTRUCTIONS

1. READ AND FOLLOW ALL INSTRUCTIONS.
2. WARNING - To reduce the risk of injury, do not permit children to use this product, unless they are closely supervised at all times.
3. WARNING - This product is provided with a ground-fault circuit interrupter. The GFCI must be tested before each use. With the product operating, push the test button on the GFCI. The product should not operate. Now, reset the breaker by moving the trip lever to the OFF position and then to the ON position. The product should now operate normally. If the product fails to operate in this manner, there is a ground current flowing, indicating the possibility of an electric shock. Disconnect the power until the fault had been identified and corrected.

STEP 1: Determine Location

The SPA-260b panel is to be located between 5 feet (minimum) and 50 feet (maximum) away from your spa (or other equipment). The panel is required to be within “line-of-sight” of the equipment that it is servicing. This product can be mounted on a wall or stand alone on a bracketed post. This product is housed in a NEMA Type 3R (rainproof) enclosure.

STEP 2: Select Wire Size

The following are typical amperages / wire sizes :

	60°C (140°F)	75°C (167°F)	90°C (194°F)
SIZE AWG	Types TW, UF	Types RHW, THHW, THW, THWN, XHHW, USE, ZW	Types TBS, SA, SIS, FEP, FEPB, MI, RHH, RHW-2, THHN, THHW, THW- 2, THWN-2, USE-2, XHH, XHHW, XHHW-2, ZW-2
14	20A CU	20A CU	25A CU
12	25A CU or 20A AL	25A CU or 20A AL	30A CU or 25A AL
10	30A CU or 25A AL	35A CU or 30A AL	40A CU or 35A AL
8	40A CU or 30A AL	50A CU or 40A AL	55A CU or 45A AL
6	55A CU or 40A AL	65A CU or 50A AL	75A CU or 60A AL
4	70A CU or 55A AL	85A CU or 65A AL	95A CU or 75A AL

Note: Four conductors (hot, hot, neutral, ground) are required to properly power this unit. Check codes to see which wire can be used in your application.

STEP 3: Wiring Preparation

- a) Turn off the main electrical service.
- b) Remove the two interior cover screws. Remove cover and set aside.
- c) Remove the appropriate knockout(s) for your application.
 - 1) Drive the center knockout inward.
 - 2) Alternately drive in or pry up the knockout rings, one at a time.

1. STEP 4: Wiring

- a) Pull the wires coming from your power source (house panel) into the enclosure. To prevent damage to the wire insulation, use appropriate wire clamps, conduit bushings and/or other methods approved for this purpose.
- b) If panel is being used as a Service Entrance panel, bond the Neutral bar, with the bonding strap, to the chassis ground screw provided.
- c) Install the two hot wires (usually red and black) to the main lugs of the breaker stab. Install the neutral wire (white) into neutral bar and the ground (green or bare wire) into the ground bar.
- d) After the above has been completed, you are ready to wire your spa.
Using appropriate sized wire:
 - 1) Install the two hot wires (RED and BLACK) into the output lugs of the GFCI circuit breaker.
 - 2) Install the white wire (if required for your application) into the Neutral lug of the GFCI breaker
 - 3) Install the ground (green or bare) wire into the ground bar.

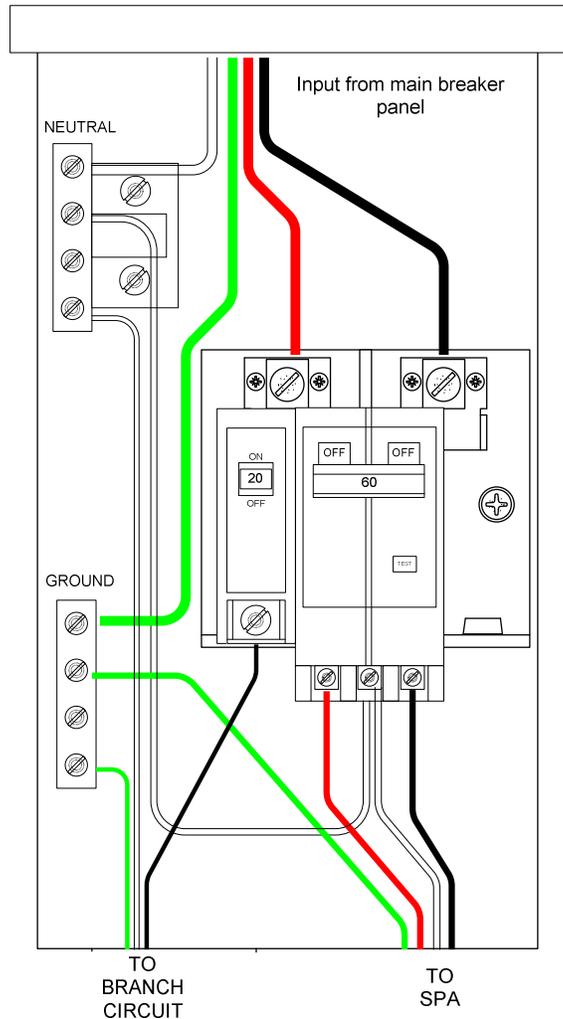
NOTE:

Your panel has a factory installed 15 amp circuit breaker which can be used as needed or desired. Route the appropriate wiring to this load through a knockout. When wiring this load, connect the black wire to the output terminal of the breaker. Connect the white wire to the neutral bar and the ground wire into the ground bar. Your panel will accommodate two 15A or 20A branch circuits.

- e) Reinstall deadfront cover
- f) Reconnect power to the unit

WIRING DIAGRAM

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WARNING

Failure to install and use the product in accordance with all applicable ratings, instructions and the National Electrical Code, could result in death or serious injury to the installer or other persons, or substantial property damage.

Only persons familiar with the construction and operation of the equipment and the hazards involved should install this product. If there are any ratings, instructions or Code requirements, which you do not understand, consult a qualified electrical contractor or inspector before installing this product.

ONE YEAR WARRANTY

To all original purchasers of its product, Connecticut Electric Inc. warrants its products free from defects in materials and workmanship for the period of one year from the date of purchase. Products that fail or become defective during the warranty period shall be returned to the place of purchase for a refund or replacement. Connecticut Electric shall not be responsible for shipping, removal, and/or reinstallation labor or any other associated costs incurred in obtaining warranty replacement.