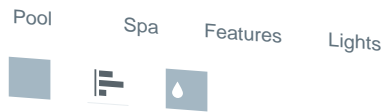




INTELLICENTER CONTROL SYSTEM WIRELESS REMOTE

Air Temp 65° F



INSTALLATION GUIDE

**IMPORTANT SAFETY INSTRUCTIONS
READ AND FOLLOW ALL INSTRUCTIONS
SAVE THESE INSTRUCTIONS**

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READ AND FOLLOW ALL WARNING AND SAFETY INSTRUCTIONS

SERIOUS BODILY INJURY OR DEATH CAN RESULT IF THIS PRODUCT IS NOT INSTALLED AND USED CORRECTLY.

INSTALLERS, POOL OPERATORS AND POOL OWNERS MUST READ THESE WARNINGS AND ALL INSTRUCTIONS BEFORE USING THIS PRODUCT. This Guide provides installation and operation instructions for the product. Consult Pentair Water Pool and Spa, Inc. ("Pentair") with any questions regarding this product.

This product is intended for use with swimming pool applications only.

Most states and local codes regulate the construction, installation, and operation of public pools and the construction of residential pools and spas. It is important to comply with these codes, many of which regulate the installation and use of this product. Consult your local building and health codes for more information.

This guide provides installation and operation instructions for the IntelliCenter

This product is designed and manufactured for safe and reliable service when installed, operated and maintained according to the information and installation codes referred to in this Guide.

Risk of Electrical Shock or Electrocution!

- Always disconnect power at the circuit breaker before servicing the load center. Improper installation can create an electrical shock hazard that can result in death or serious injury.

This product must be installed by a licensed or certified electrician or a qualified pool professional in accordance with the current National Electrical Code (NEC), NFPA 70 or the Canadian Electrical Code (CEC), CSA C22.1. All applicable local installation codes and ordinances must also be adhered to. Improper installation will create an electrical hazard which could result in death or serious injury to pool users, installers or others due to electrical shock, and may also cause damage to property. Always disconnect the power to the pool light at the circuit breaker before servicing the light. Failure to do so could result in death or serious injury to serviceman, pool users or others due to electrical shock.

FCC Standard: 47 CFR Part 15, Subpart C (Section 15.247). This version is limited to chapter 1 to chapter 11 by specified firmware controlled in the U.S.A.

FCC non-modification statement:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC RF Exposure requirements:

Notice for Virtual Cable (FCC ID: P4H-ICVC & IC: 4249A-ICVC): In order to comply with FCC/IC RF Exposure requirements, a minimum separation distance of 8 in (20 cm) must be maintained between the equipment and all persons during normal operation.

Notice for Wireless Remote Control (FCC ID: P4H-ICHNDHLD & IC: 4249A-ICHNDHLD):

This portable transmitter with its antenna has shown compliance with FCC/IC SAR limits for general population / uncontrolled exposure. The maximum listed SAR level is 0.88 W/kg (body). The antenna used for this device must not be co-located or operating in conjunction with any other antenna or transmitter.

Avis concernant la télécommande sans fil (ID FCC: P4H-ICHNDHLD & IC: 4249A-ICHNDHLD):

Cet émetteur portable avec son antenne a montré une conformité avec les limites SAR de la FCC / IC pour l'exposition de la population générale / non contrôlée. Le niveau SAR maximal indiqué est de 0,88 W / kg (corps). L'antenne utilisée pour cet appareil ne doit pas être co-localisée ou utilisée conjointement avec une autre antenne ou un autre émetteur.

Canada - Industry Canada (IC): The IntelliCenter™ Control System and the Wireless Remote complies with RSS210 of Industry Canada. (1999). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The device complies with industry Canada's License Exempt RSSs. Operation is subject to the following: (1) This device may not cause interference; and (2) This device must accept interference that may cause undesired operation of the device.

Le dispositif est conforme à la licence d'Industrie Canada Exempt CNR. Le fonctionnement est soumis à la suivante.

(1) Ce ne doit pas provoquer d'interférences ; et (2) Cet appareil doit accepter les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. The term "IC" before the certification / registration number only signifies that the Industry Canada technical specifications were met.

Charging the IntelliCenter™ Control System Wireless Remote

When you are not using the IntelliCenter Wireless Remote, place it in its cradle to recharge the battery. This allows the battery to be fully charged at all times.

To Charge the Wireless Remote battery

- Plug the AC adapter into an AC wall outlet.
- Insert the AC Power Adapter plug into the bottom of the cradle.
- Place the Wireless Remote in the cradle.
- Look for the battery charging indicator on the front of the cradle (see below).

Note: When the Wireless Remote is placed in the cr

IntelliCenter™ Control System Wireless Remote Transceiver Installation

The following procedure describes how to install the Transceiver module and connect the Transceiver cable to the COM port on the IntelliCenter Control System main circuit board.

NOTE: USING MULTIPLE WIRELESS REMOTES: When using multiple wireless remotes, be sure the Transceiver for each of these controllers are located at least 6 ft. apart for each other. This will avoid digital interference and ensure better wireless reception.

IntelliCenter Control System Wireless Remote Kit

The Wireless Remote Kit consists of:


- Wireless Remote
- Wireless Transceiver
- Transceiver module Installation Instructions (P/N 522056)
- Four plastic anchors and retaining screws (to mount the transceiver module)

Mounting the Wireless Remote Transceiver Module

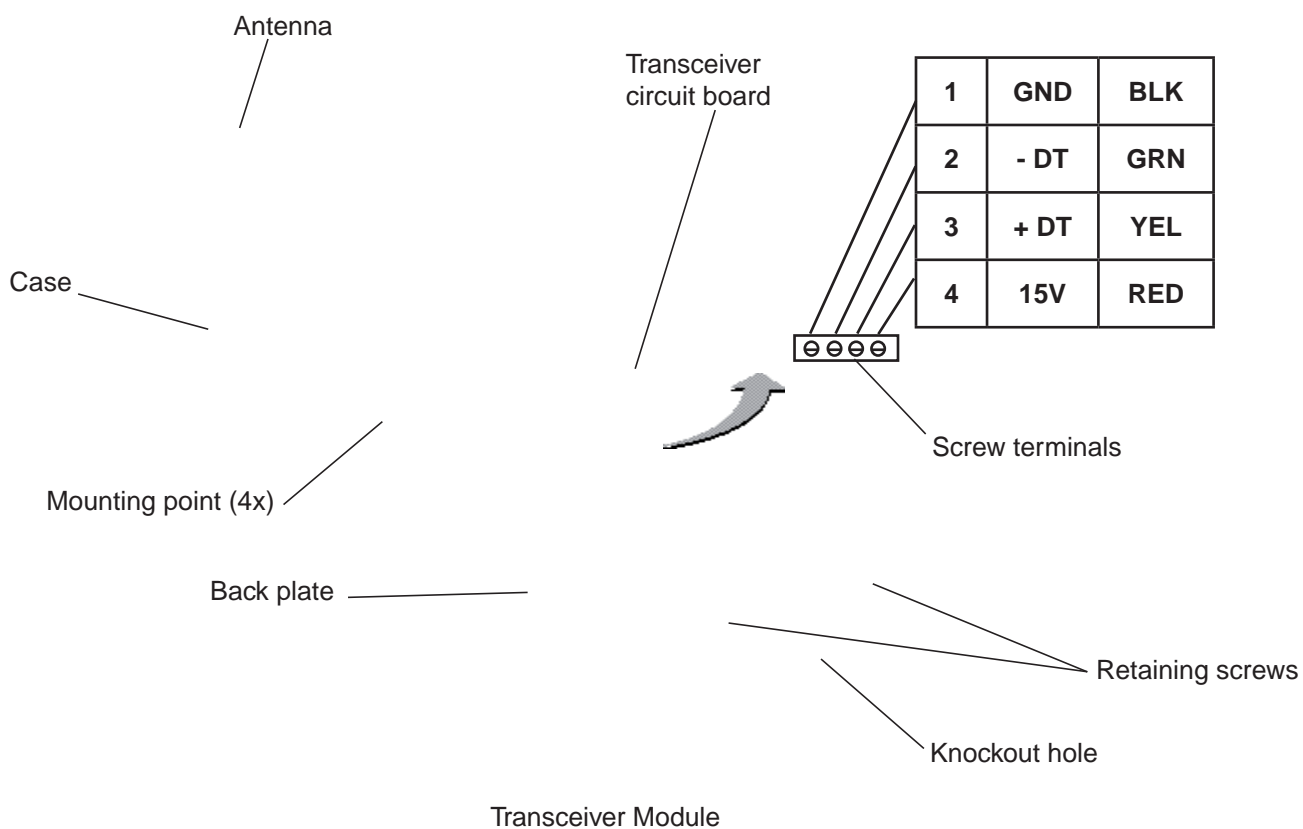
The Wireless Remote Transceiver module is connected to the IntelliCenter Control System via the RS-485 port. The Transceiver is connected to the Wireless Remote via a 2.4GHz RF connection. Mount the Transceiver module at a convenient location (on a vertical surface) near the Load Center, at a minimum of 5 ft. above ground level to optimize the functional operating range of the Wireless Remote.

Note: To avoid signal interference, mount the Transceiver antenna a minimum of 10 ft. away from the Load Center or Power Center, any metal surface/structure, or air blower located in the immediate area of the equipment pad.

To mount the transceiver near the IntelliCenter Control System Load Center:

1. Switch OFF the main power off to the IntelliCenter Control System Load Center.
2. Remove the two retaining screws securing the transceiver case to the back plate. Carefully slide the case off the back plate.
3.  **CAUTION - Electrostatic Discharge (ESD):** Hold the circuit board from the edges. Do not touch the board components, electrostatic discharge can damage the board. Slide the transceiver circuit board up and out of the back plate.
4. Position the back plate against the mounting surface so that the case is oriented in an upright position (with the antenna pointing upwards). Use a pencil to mark the four mounting points. Drill four 3/16 in. diameter holes into the mounting surface. If screws are not being used, insert the four plastic wall anchors (provided in the kit).
5. Feed the provided 10 ft. of UL approved four 22 AWG conductor cable through the knockout hole at the bottom of the enclosure. Do not run wire through the load center drain holes. If the knockout hole is not being used to run wire through, drill a hole through the bottom of the back plate, route the wire through the hole and seal it using a gasket with a few feet of conduit or some other sealant between the case and the cable.

6. Position the back plate over the mounting points and secure it with the four mounting screws (provided in the kit).
7. Carefully slide the transceiver circuit board into the back plate.
8. Strip the leads of the communication cable wires back $\frac{1}{4}$ in. Insert the wires into the connector screw terminals (provided in the kit). Using a small flat-blade screwdriver, secure the wires with the terminal screws. Make sure to match the color-coding of the wires: GND = Black, Green = -DT, Yellow = +DT, and Red = +15. Connect the screw terminal connector onto the transceiver circuit board.
9. Slide the case over the back plate. Secure the case to the back plate using the two retaining screws.
10. Proceed to the page 6.





IntelliCenter
Control System
Load Center
(Located outside at
equipment pad)

IntelliCenter™ Control System Wireless Remote Setup

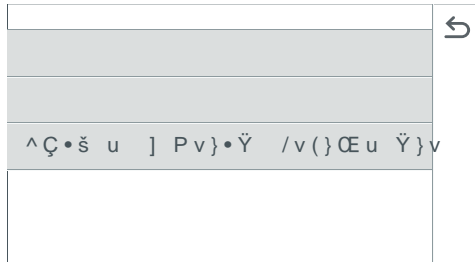
The Wireless Remote requires optional Kit P/N 522036. This kit includes a wireless transceiver with antenna which connects to an RS-485 COM port on the IntelliCenter Control System Outdoor Control Panel circuit board located in the load center. For IntelliCenter Control System start up information, refer to the IntelliCenter Control System User's Guide (P/N 522561).

IntelliCenter™ Wireless Remote Firmware Update

The Wireless Remote current firmware can be updated using the USB port.

Update the Current Wireless Remote Firmware

1. Insert a USB device in the USB port on the IntelliCenter Control System Outdoor, Indoor Control Panel or the Wireless Remote.
2. From the Home screen on the Wireless Remote. Tap Settings > Advanced System Configuration > System to access the System screen.
3. Tap Firmware Update to open the Firmware Update screen, then tap Update From USB.



IntelliCenter™ Control System Menu

Home Screen

- Pool Screen
- Spa Screen
- Features (Individual/Groups)
- Lights ((Individual/Groups)
- Schedule (Pump schedule)
- Usage
- Chemistry (IntelliChem/IntelliChlor)
- Status

Settings

- Service Mode
- Vacation Mode
- Support
- General: Location, Date & Time, Units (Fahrenheit/Celsius), Features and Lights M6.7514 617.38system Menu

Notes

Notes



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