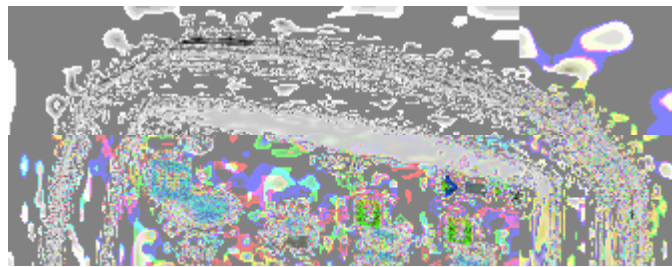




INTELLICENTER™ CONTROL SYSTEM INDOOR CONTROL PANEL



INSTALLATION GUIDE

IMPORTANT SAFETY INSTRUCTIONS
READ AND FOLLOW ALL INSTRUCTIONS
SAVE THESE INSTRUCTIONS

Contents

IMPORTANT WARNING AND SAFETY INSTRUCTIONS.....

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

Water temperature in excess of 100° F (37.7° C) may be hazardous to your health. Prolonged immersion in hot water may induce hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above normal body temperature of 98.6° F (37° C.). Effects of hyperthermia include: (1) Unawareness of impending danger. (2) Failure to perceive heat. (3) Failure to recognize the need to leave the spa. (4) Physical inability to exit the spa. (5) Fetal damage in pregnant women. (6) Unconsciousness resulting in danger of drowning. The use of alcohol, drugs, or medication can greatly increase the risk of fatal hyperthermia in hot tubs and spas.

A pool or spa pump must be installed by a qualified pool and spa service professional in accordance with the current National Electrical Code and all applicable local codes

General Installation Information

1. All work must be performed by a licensed electrician, and must conform to all national, state, and local codes.
2. Install to provide drainage of compartment for electrical components.
3. If this system is used to control underwater lighting fixtures, a ground-fault interrupter (GFCI) must be provided for these fixtures. Conductors on the load side of the ground-fault circuit-interrupter shall not occupy conduit, junction boxes or enclosures containing other conductors unless such conductors are also protected by a ground-fault circuit-interrupter. Refer to local codes for details.
4. A terminal bar stamped **GROUNDING** is located inside the supply terminal box. To reduce the risk of electric shock, this terminal must be connected to the grounding means provided in the electric supply service panel with a continuous copper wire equivalent in size to the circuit conductors supplying this equipment (no smaller than 12 AWG or 3.3 mm). The bonding lug(s) provided on this unit are intended to connect a minimum of one No. 8 AWG for US installation and two No. 6 AWG for Canadian installations solid copper conductor between this unit and any metal equipment, metal enclosures or electrical equipment, metal water pipe, or conduit within 5 feet (1.5 m) of the unit.
5. The electrical supply for this product must include a suitably rated switch or circuit breaker to open all ungrounded supply conductors to comply with 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. The disconnecting means must be readily accessible to the tub occupant but installed at least 10 ft. (3.05 m) from the inside wall of the pool.
6. GAS HEATER: This control system is designed to supply high voltage (120 VAC / 240 VAC) to a gas heater and override the thermostat in the heater's control circuit. This control system is intended to control gas heaters with a high temperature 511.5414 A6for1ceans m s control circuit. 74p9 10 ON 0 0 10 78.6163 679.5414 TmS5 high tempe 511.57ected to the 6 AWG for

IntelliCenter™ Automation System for Pool and Spa Indoor Control Panel Installation Overview

Welcome! This guide describes how to install the IntelliCenter System Indoor Control Panel. Please take time to read through this guide to familiarize yourself with the IntelliCenter System Indoor control Panel installation steps.

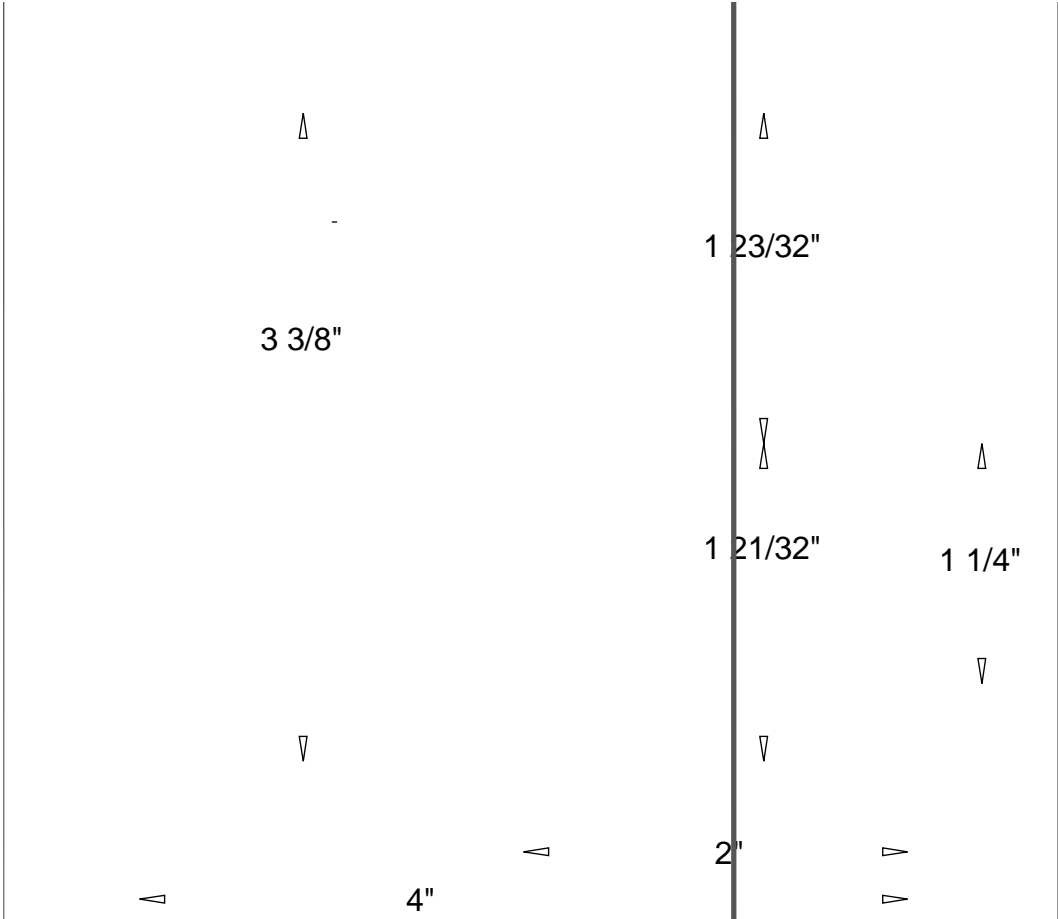
The IntelliCenter System Indoor Control Panel provided one touch controls for your pool, spa, lights and other functions from inside your home or a sheltered location. Select a convenient wall location inside your house or other weather-protected location for mounting the control panel.

- 4" x 2.5" capacitive touch sensitive color touch screen with finger tap navigation, 1280 x 720 resolution
- Day Time and Night Time color screen modes
- Multifunction Schedules/Programs
- Adjustable schedule timer for easy system scheduling
- 100 Schedules/Programs
- Adjustable schedule timer for easy system scheduling
- Wireless Control Panel "Deep Sleep" extend battery life feature
- 64 Feature Circuits: Allow additional speeds on a variable speed pump or an actuator to be assigned without using an existing auxiliary circuit.
- 16 Groups: Assign groups of lighting, heaters, pumps circuits that can be controlled by a single button.
- Supports up to 16 IntelliFlo® VF and VS Pumps
- Supports up to four SpaCommand®
-

IntelliCenter™ Automation System For Pool and Spa Indoor Control Panel Installation



Mounting the IntelliCenter™ Automation System For Pool and Spa Indoor Control Panel



Indoor Control Panel (Backplate Template)

3. Mount the Indoor Control Panel backplate on the mounting surface. Align the backplate screw holes with the backplate screw holes and secure the backplate with the screws (see illustration on previous page).
4. At the Indoor Control Panel, 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:

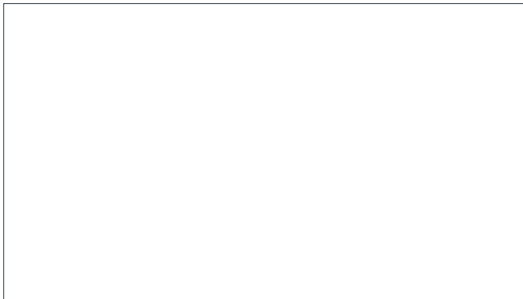
Connecting the Indoor Control Panel Communication Cable to the Personality Circuit Board

To connect the Indoor Control Panel Communication Cable to the Personality Circuit Board:

1. Str

Using the USB Port to Import/Export a System Configuration

The following information describes how to import or export the IntelliCenter™ Automation System For Pool and Spa configuration using a USB device. For more detailed information refer to the IntelliCenter Automation System User's Guide (P/N 522561).



Indoor Control Panel Firmware Update

The Indoor Control Panel current firmware can be updated using the USB port.

Update the Current Indoor Control Panel Firmware:

1. Insert a USB device in the USB port on the IntelliCenter System Outdoor, Indoor Control Panel or the Wireless Remote.
2. From the Home screen on the Wireless Remote. Tap

IntelliCenter™ Automation System For Pool and Spa Menu

Home Screen:

- Pool Screen
- Spa Screen
- Features (Individual/Groups)
- Lights (Individual/Groups)
- Schedule (Weekly, One Time Only Schedule)
- Usage
- Chemistry (IntelliChem® Controller/IntelliChlor® SCG)
- Status

Settings:

- Service Mode
- Vacation Mode
- Support
- General: Location, Date & Time, Units (Fahrenheit/Celsius), Features and Lights List Order, General List Order, Backlight (Deep Sleep): Wireless Control Panel only, Temperature Sensor Calibration, Day / Night Themes, Manual Operation Priority, Manual Heat, Chemistry Readings Badge, Badge Colors.
- Alerts and Notifications: Choose which system status, alerts and warnings badges to display on the Home screen Status icon.
- Security (Passcode Protect)
- Pentair User Portal (intellcenter.com)
- Groups: Configure groups of AUX circuits, Light circuits and Feature circuits.
- System Reboot: Reboot the panel

Advanced System Configuration

Installation Setup:

- Body Configuration, Circuits, Pumps, Heaters, Valves, Chemistry, Pool/Spa Cover.
- Remotes Setup: iS4, QuickTouch II, iS10, SpaCommand remotes
- Network and WiFi Setup: Configure Ethernet, Connect to a Wireless Network, Adjust Wireless Transmit Power, Internet Connection Test, Reboot WiFi Device.
- IntelliCenter Wireless Remote Setup: Configure the Address and Panel # for wireless remote.
- Delays: Valve Delay, Heater Cool Down, Freeze Cycle Time (min), Spa Freeze Override (min), Override Delays.
- System: System Information, Detected Hardware, System Diagnostic Information, Firmware Update (Update from Panel, Update from USB, Update from Ethernet), Factory Diagnostics.



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