



PENTAIR i5P IntelliCenter Control System Installation Guide

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IntelliCenter Control System Personality Expansion Cards

The IntelliCenter Control System can be configured for single, shared or dual body equipment. The base configuration is the i5P (a filter pump circuit plus four auxiliary circuits for a single body of water). By adding a Personality Expansion card, the system can be expanded to support additional capacities and configurations. An example of a fully loaded IntelliCenter Control System would be:

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i5P Main Motherboard

Slot 1: i10PS Personality Expansion Card.

Note: Personality Expansion cards **MUST** always be installed in SLOT 1.

Slot 2: Valve Expansion Card

Slot 3: Pool Cover Expansion Card

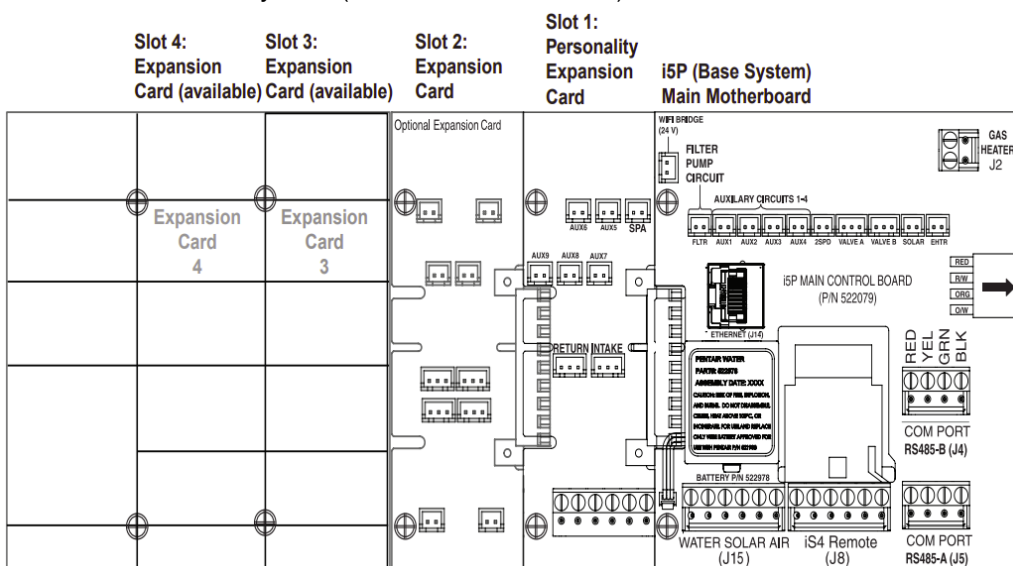
Slot 4: Available for future use

IntelliCenter Control System Personality Expansion Cards

Part Numbers:

- **P/N 523050 i5P:** Motherboard, Single Body
- **P/N 523051 i5X:** Expansion Motherboard
- **P/N 522997Z i10X:** Expansion (requires i5X)
- **P/N 521936Z i5PS,:** Shared Equipment
- **P/N 521977Z:** i8P, Single Body
- **P/N 521968Z:** i8PS, Shared Equipment
- **P/N 521993Z:** i10P, Single Body
- **P/N 521873Z:** i10PS, Shared Equipment
- **P/N 523029Z:** i10D, Dual Equipment
- **P/N 522038Z:** Valve Expansion Card
- **P/N 522039Z:** Pool Cover Card (supports two covers)

IntelliCenter Control System (i5P Main Motherboard)



INSTALLATION SUMMARY STEPS

1. Access the Main Motherboard in the Load Center or Power Center (see page 2).
2. Install the Personality Card in SLOT 1 next to the Main Motherboard (see page 3).
3. Use the Setup Wizard to configure the system (see IntelliCenter User's Guide (P/N 522990)).

Personality and Expansion Card Slot Assignment Order

Slot 1 is only used for a Personality Card such as: **i5PS, i8P, i8PS, i10P, i10PS, or i10D**. If no Personality card is being used, Slot 1 can be used for a Pool Cover card or Valve Expansion card. Note: Only one Personality Expansion card can be installed.

Slot 2, Slot 3 and Slot 4: These Expansion card slots are available for any remaining Expansion cards in any order, including the Pool Cover Expansion card or Valve Expansion card.

Note: Slot assignment order is the same for IntelliCenter Expansion enclosures.

Access the Outdoor Control Panel in the Load Center or Power Center



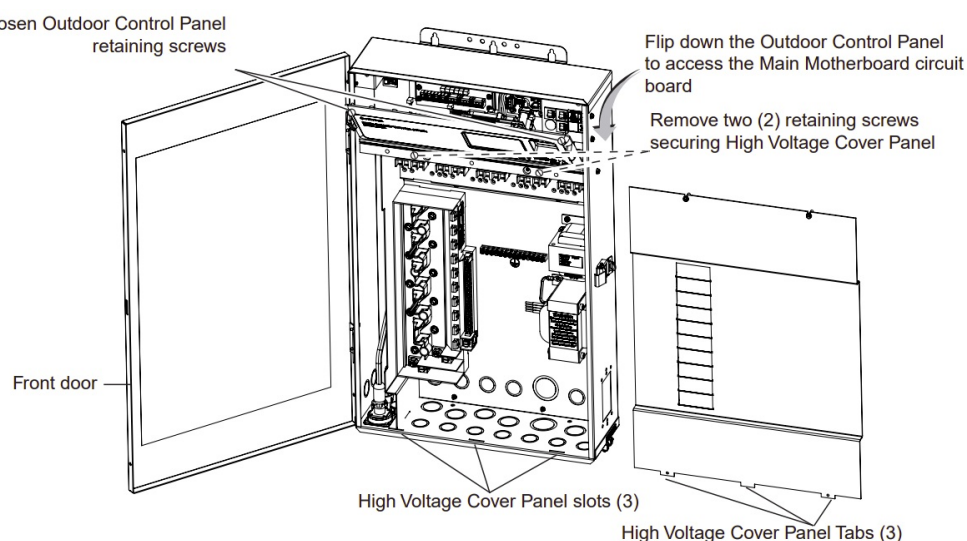
WARNING BEFORE INSTALLING AN EXPANSION OR PERSONALITY CARD ALWAYS SWITCH OFF AC POWER TO THE LOAD AND/OR POWER CENTER AT THE MAIN HOUSE CIRCUIT BREAKERS.

The IntelliCenter® Control System Main Motherboard Outdoor Control Panel is located in the top part of the Load Center or Power Center enclosure.

To access the Main Control Panel Motherboard:

1. Unlatch the front door spring latch and open the front door of the Load Center enclosure.
2. Loosen the two (2) retaining screws securing the high voltage cover-panel. Remove the HIGH VOLTAGE COVER PANEL from the enclosure (as shown below).

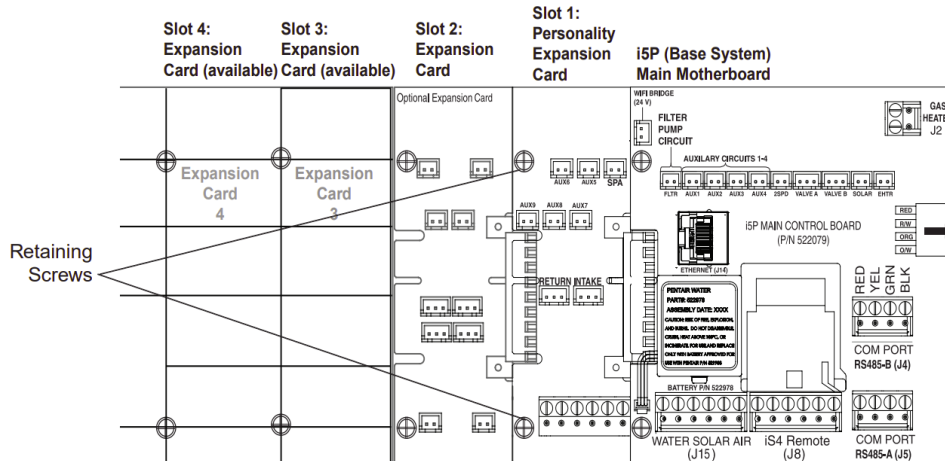
IntelliCenter™ Load Center Control System Load Center (front view) (High Voltage Cover Panel removed)



3. Install an Expansion and/or Personality Card onto the Main Motherboard (See page 3):
4. Carefully align the card edge connector (component side facing up) with the card edge pins on the other card. Slide the Expansion card onto the Motherboard's edge connector.

- Secure the card in place with the two retaining screws (provided in kit).

IntelliCenter® Control System with iSP (Single Body P/N 523050) Main Motherboard with Optional Personality Card in Slot 1 and Optional Expansion Card in Slot 2. Slot 3 and 4 are available (rear bezel view)



- When finished, close the hinged control panel and secure it with the two retaining screws. Reinstall the High Voltage Panel and insert the panel's three tabs into the lower slots on the enclosure. Secure the panel with the two (2) retaining screws. Close the front door and secure with the latch. See page 2 for illustration).

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Documents / Resources

	<p>PENTAIR iSP IntelliCenter Control System [pdf] Installation Guide</p> <p>iSP IntelliCenter Control System, iSP, IntelliCenter Control System, Control System, System</p>
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