RELAY CONTROL BOARD
FOR INTELLIFLO3 PUMPS

This guide provides instructions for installing and connecting your IntelliFlo3 Relay Control Board. Follow the instructions below to ensure proper installation and relay wiring.

Installing the Relay Control Board allows for remote control of the IntelliFlo3 pump via digital input connections.

⚠WARNING **RISK OF ELECTRICAL SHOCK OR ELECTROCUTION. Always disconnect power to the pump at the circuit breaker before servicing the pump. Failure to do so could result in death or serious injury to service people, users or others due to electric shock.**

Read all servicing instructions before working on the pump.

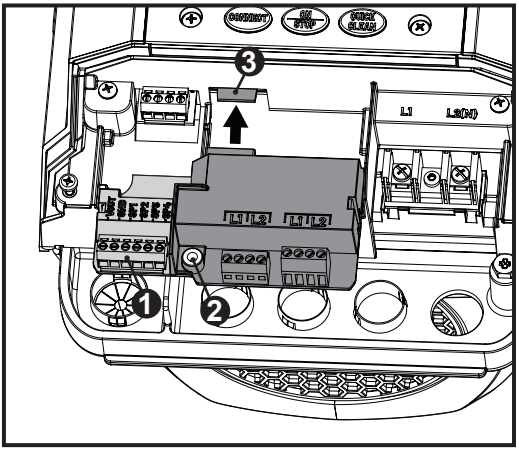
Installing the Relay Control Board

The relay control board is shipped as a complete assembly. Ensure the Low Voltage Terminal (*1*) and Retaining Screw (*2*) are in place before installing the control board.

1. Disconnect all power to the pump at the main circuit breaker.

   ⚠WARNING **STORED CHARGE** - Wait at least sixty (60) seconds before opening the wiring compartment.

2. Unfasten the two screws securing the wiring compartment cover to the pump.
3. Remove the wiring compartment cover and place it aside.
4. Remove the Control Board from its packaging.
5. Position the Control Board into the wiring compartment as shown to the right.
6. Gently slide the Control Board onto the pump's Drive Connector (*3*).
7. Firmly press the Control Board onto the Drive Connector (*3*).
8. Secure the Control Board to the pump using the included Retaining Screw (*2*).
9. Continue to *Wiring the Control Board*.



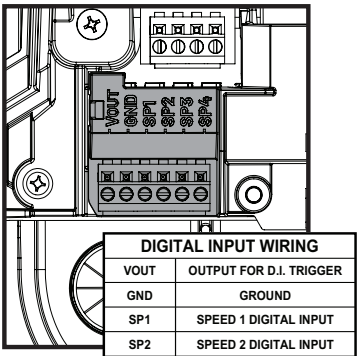
Wiring the Control Board

All wiring conductors should be 12 AWG.

Low Voltage Terminal

The left side of the control board features a 6-pin terminal intended for low voltage communication signals.

1. Strip the cable 3/4” (19 mm).
2. Strip each conductor 1/4” (6.4 mm).
3. Wire the low voltage device to the board as described to the right.



DIGITAL INPUT WIRING	
VOUT	OUTPUT FOR D.I. TRIGGER
GND	GROUND
SP1	SPEED 1 DIGITAL INPUT
SP2	SPEED 2 DIGITAL INPUT
SP3	SPEED 3 DIGITAL INPUT
SP4	SPEED 4 DIGITAL INPUT

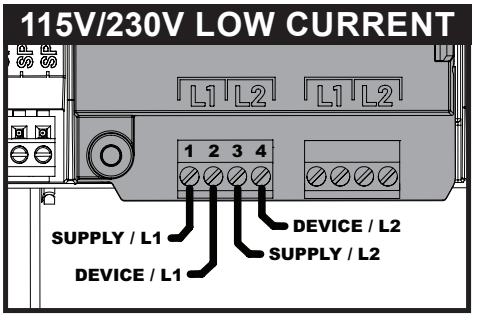
High Voltage Terminals

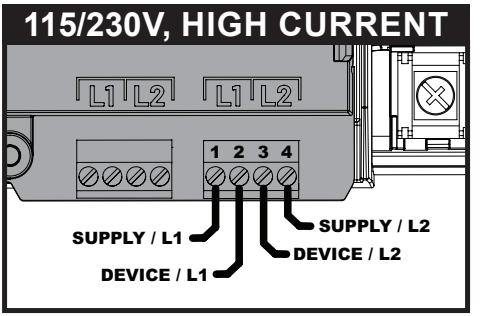
The right side of the control board features two 4-pin terminals, intended for incoming and outgoing 115VAC and/or 230VAC.

1. Verify the amperage of the device you are connecting to the board and determine the appropriate terminal.

   The **left terminal block** is rated to a maximum of 5A and should be used for lower current connections.

   The **right terminal block** is rated to a maximum of 16A and should be used for higher current connections.
2. Strip each conductor 1/4” (6.4 mm).
3. Wire the device to the appropriate terminal as illustrated below.





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