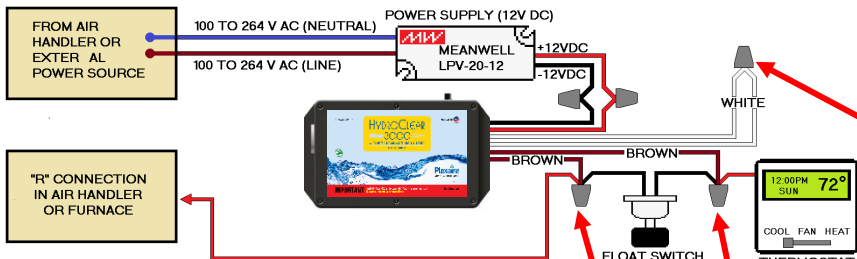


PLEXAIRE TECHNICAL BULLETIN-WIRING OF 'TRIGGER' WIRE SETS HC3100, HC3200, AND HC3500

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The **brown wire sets and white wire sets** are connected to normally closed float switches and "trigger" Plexaire units to perform a flush operation if electrically opened. It is critical that wiring diagrams be followed to avoid damage to the control board. This technical bulletin is issued to provide more detail to proper wiring connections for these wire sets only. There are two basic wiring configurations-see below.

Note: counter wiring on HC3500 is not shown-see manual or wiring diagram included with product.



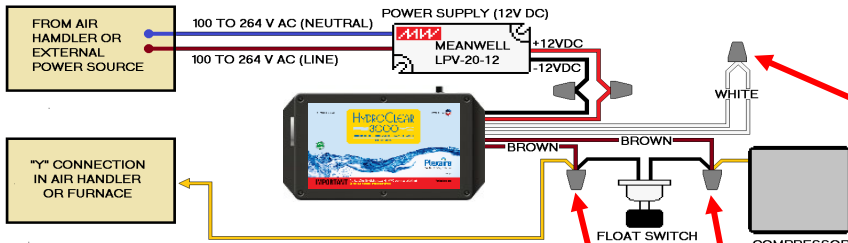
Configuration #1 – Connections are made to the float switch in the 24V AC control circuit. Some installers put the float switch in the "R" wire circuit, most put the float switch in the "Y" wire circuit.

FLOAT SWITCH IN "R" WIRE CIRCUIT

Connect the two white wires together with a wire nut

Connect one brown wire to a float switch wire and the "R" wire to the thermostat.

Connect other brown wire to other float switch wire and "R" (24V AC "hot") wire from furnace/air handler.

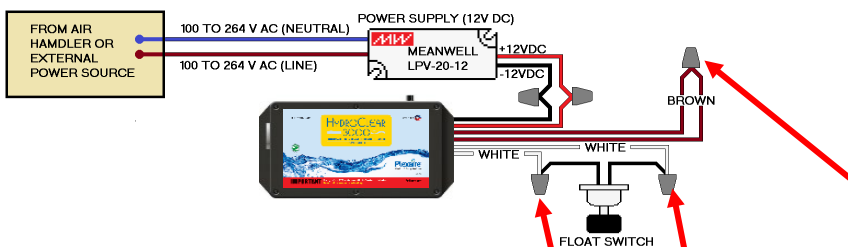


FLOAT SWITCH IN "Y" WIRE CIRCUIT

Connect the two white wires together with a wire nut

Connect one brown wire to a float switch wire and the "Y" wire to the compressor relay (condensing unit)

Connect other brown wire to other float switch wire and "Y" wire from the furnace/air handler "Y" connection.



Configuration #2 – A "dedicated" float switch is used and no connections are made to any 24V AC control circuit.

Connect the two brown wires together with a wire nut

Connect a white wire to each of the float switch wires.