

Hydro-Max Model ES-1.5 Installation Instructions

The Hydro-Max Model ES-1.5 Electronic Scale Controller is a versatile system designed for a wide variety of applications. The Controller can be powered by AC or DC voltage from 9 to 16 volts.

Check package for the following components:

- 1 ES Controller
- 2 Wall Plug Transformer
- 3 20 Foot Signal Cable
- 4 Remote LED
- 5 Cable Ties
- 6 Warranty Card

Coil Considerations

Carefully choose the location for the treatment coil. The coil should be installed on the feed water pipe to the process requiring scale control. An area of linear flow is best, eliminating as much turbulence created from Pumps, T's, Elbows, etc. as possible. A rule of thumb is to install the coil 5 times the pipe diameter, down stream of turbulence.

Choosing Controller Location

The controller should be installed within 2 feet of the coil location. You want as much of the signal cable wrapped around the pipe as possible. Long runs from the coil to the controller wastes signal cable so closer is better. Choose a location where the LED lights are clearly visible or connect the remote LED if the controller location is not clearly visible. The LED wire leads can be extended up to 3 feet.

Power Requirement

The Hydro-Max ES-1.5 system draws 500 MA (1/2 Amp). This information is to be considered only when utilizing a power supply other than the supplied transformer that converts AC to DC.

Installation

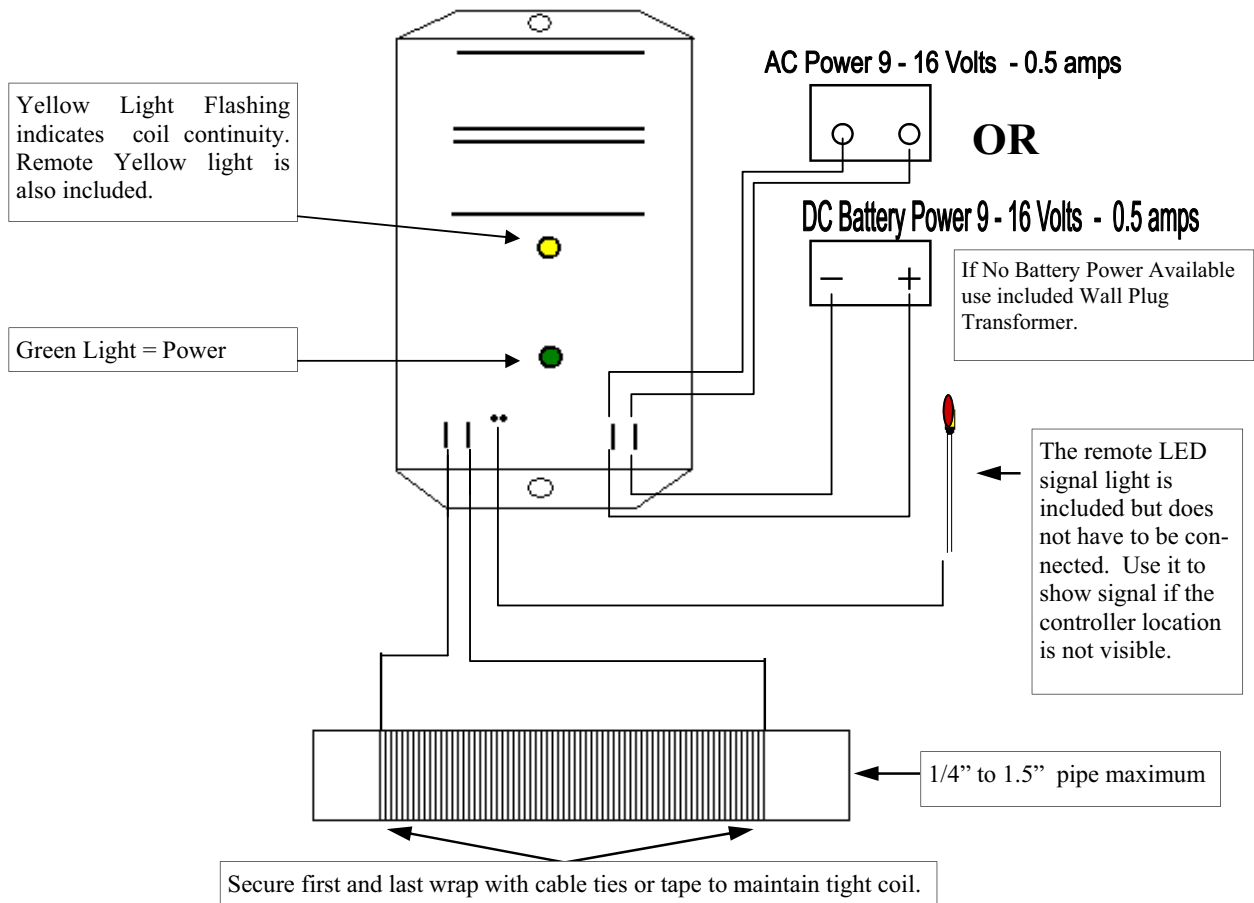
1. Mount the Controller no more than 2 feet from the chosen coil location.
2. Connect one end of the signal cable to either Controller output terminals on the left hand side and run the wire to the coil installation area you have chosen.
3. Secure the wire to the starting point on the pipe using one of the cable ties provided
4. Wrap the wire in one direction around the pipe in a close, tight, coil configuration.
5. Unwrap just enough cable to reach back to the remaining terminal LHS terminal.
6. Secure the last wrap with a second cable tie to maintain a tight coil.
7. Connect the remote LED to the 2 smallest pins. This step is optional.
8. The ES system is not polarity sensitive. Connect either wire of the Wall Plug Power Supply to one of the pins on the right hand side and the remaining wire to the remaining pin. If an optional AC or DC power supply is used connect to the same pins as stated above. See back for details.

*****Voltage Limits = 9 to 16 volts AC or DC*****

1. Observe the operational lights:

| | | |
|-----------------------|---|------------------|
| Green Light ON | = | Controller Power |
| Yellow light Flashing | = | Coil Continuity |

Hydro-Max Electronic Water Treatment



Note: If installing in a wet or high humidity area, the wire connections should be waterproofed after installation and testing. Use fast drying silicone or dielectric grease to cover connections and prevent corrosion.