

FORMAL

F A L L S BY POND BUILDER
INSTRUCTION MANUAL

PONDBUILDER
Manufacturers of Quality Pond Equipment & Supplies

SMALL FORMAL FALLS

INSTRUCTION MANUAL

STEP 1

Install an appropriate and suitable level base to lay your block wall.



STEP 2

Plumb Formal Falls Basin and set in place. Plug the side you will not be using for the pump plumbing with the fittings provided in the kit. Then begin building the back wall.



STEP 3

Continue building the block wall to the desired height. We recommend that the overall height of waterfall not exceed the width of the Formal Falls unit which is 16". Cut blocks to create a $\frac{3}{4}$ " opening for the Formal Falls lip to set.



STEP 4

Thread the Pump Discharge Assembly provided in the kit onto the pump. Place the pump into the pump pre-filter sock.

STEP 5

Place the pump with the pre-filter sock into the basin chamber and connect plumbing fittings.



STEP 6

Teflon tape the fitting that will plum into the inlet of the Formal Falls and install into the inlet.



STEP 7

Set the Formal Falls unit in place on your block wall.



STEP 8

Using the supplied hose, glue the fitting from the inlet to the fitting coming from the basin.



STEP 9

Continue constructing the wall around the front of the basin.

STEP 10

Add decorative gravel to the top of the basin. NOTE: Be sure to leave an area void of gravel where the waterfall will hit the anti-splash mat. Plug in pump and ENJOY!

MEDIUM FORMAL FALLS

INSTRUCTION MANUAL

STEP 1

Install an appropriate and suitable level base to lay your block wall.



STEP 2

Plumb Formal Falls Basin and set in place. Plug the side you will not be using for the pump plumbing with the fittings provided in the kit. Then begin building the back wall.

STEP 3

Continue building the block wall to the desired height. We recommend that the overall height of waterfall not exceed the width of the Formal Falls unit which is 28". Cut blocks to create a $\frac{3}{4}$ " opening for the Formal Falls lip to set.

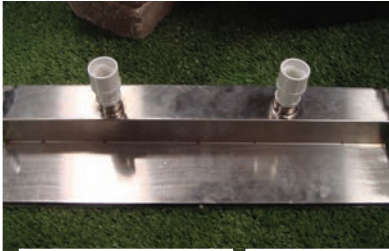


STEP 4

Thread the Pump Discharge Assembly provided in the kit onto the pump. Place the pump into the pump pre-filter sock.

STEP 5

Place the pump with the pre-filter sock into the basin chamber and connect plumbing fittings.



STEP 6

Teflon tape the two fittings that will plumb into the inlets of the Formal Falls and install into the inlets.



STEP 7

Glue the elbow fitting and flex pipe into one inlet. Then glue the tee fitting to the other inlet. Be sure to plumb so that when you place the Formal Falls unit on the block wall that the plumbing is facing the correct direction to be plumbed to the discharge of the basin unit.



STEP 8

Set the Formal Falls unit in place on your block wall. Finish off the connection between the Formal Falls unit and the basin discharge using the pipe, fittings, and glue included.

STEP 9

Continue constructing the wall around the front of the basin.



STEP 10

Add decorative gravel to the top of the basin. NOTE: Be sure to leave an area void of gravel where the waterfall will hit the anti-splash mat. Plug in pump and ENJOY!

FORMAL FALLS LIGHTING INSTRUCTION MANUAL

STEP 1

Once your Formal falls unit has been placed in the wall, decide the best location for the weatherproof controller.

STEP 2

Determine which side you will have the LED Light Strip installed. Slide the black round ring over the light lead and set the LED Light Strip into the hole. This will plug the hole on the side of the Formal Falls. Use the other solid black round ring to plug the opposite hole on the other end of the Formal Falls.



STEP 3

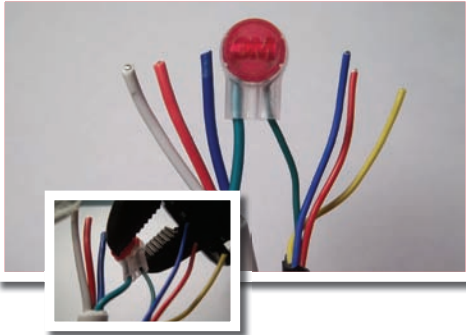
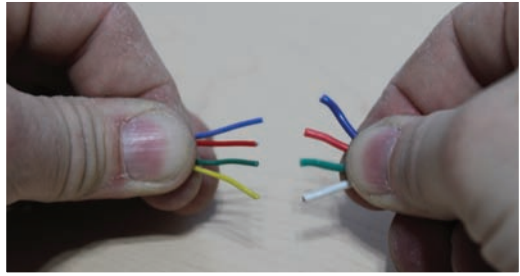
Stretch the light lead out to the desired controller location and cut off excess- allow 12" of extra for slack. Note: The shorter the distance of lead cord between the light and controller will give the light more intensity.

STEP 4

Strip light lead back approx 2" exposing the 4 wires , leave the wires with blunt tips, do not strip.

STEP 5

Match up color coded wires from the light lead and from the controller.

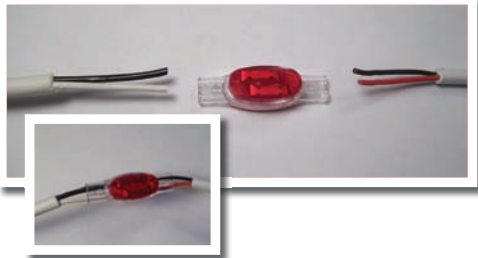


STEP 6

Insert each colored wire into the supplied connector and with pliers depress the red button joining the circuit. Do the same for the remaining wires, noting the yellow and white wires go together.

STEP 7

Stretch the power cord from the power source to the controller and connect the power cord to the controller using the same technique as with the lights.



STEP 8

Plug wire into the supplied driver and plug into the power source.

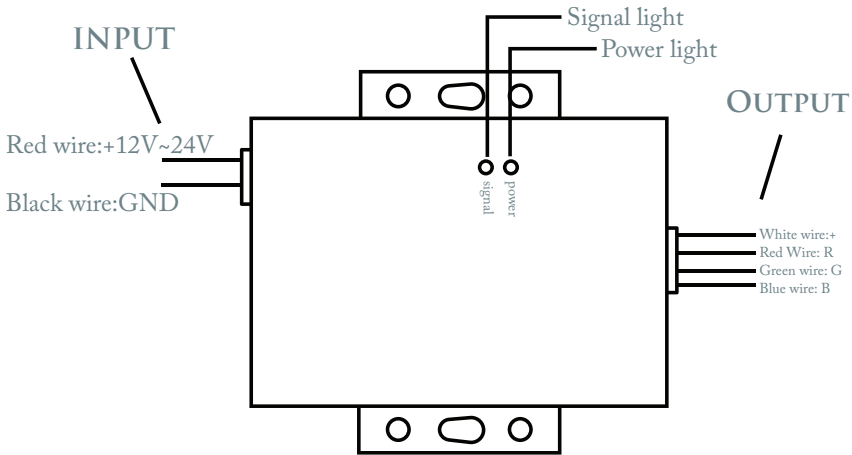
STEP 9

Use the supplied remote to customize the lighting to your preference.

Note: If low voltage landscape lighting is near you can connect to it by hard wiring in with adaptors (sold separately). If you would like to sync two or more units together please contact us for specific instructions.



CONNECT DIAGRAM



SAFETY INFORMATION

1. The input voltage of this controller should be only DC12V-24V.
2. The 4 wires coming out of the controller can't be incorrectly interconnected or short circuit could occur.
3. Connect the wires of the controller and LED wires as per the instruction.
4. The standard warranty on the controller/remote is 1 year.

REMOTE CONTROL OPERATION

Button A - Moves through 11 options listed below in chart

Button B - To speed up color changing

Button C - To slow down color changing

Button D - Power Switch

Item	Patterns
1	Static Yellow
2	Static Green
3	Static Pink
4	Static Blue
5	Static Red
6	Static White
7	Static Light Blue
8	3 Color Changing
9	7 Color Changing
10	3 Color Gradual Changing
11	7 Color Gradual Changing



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