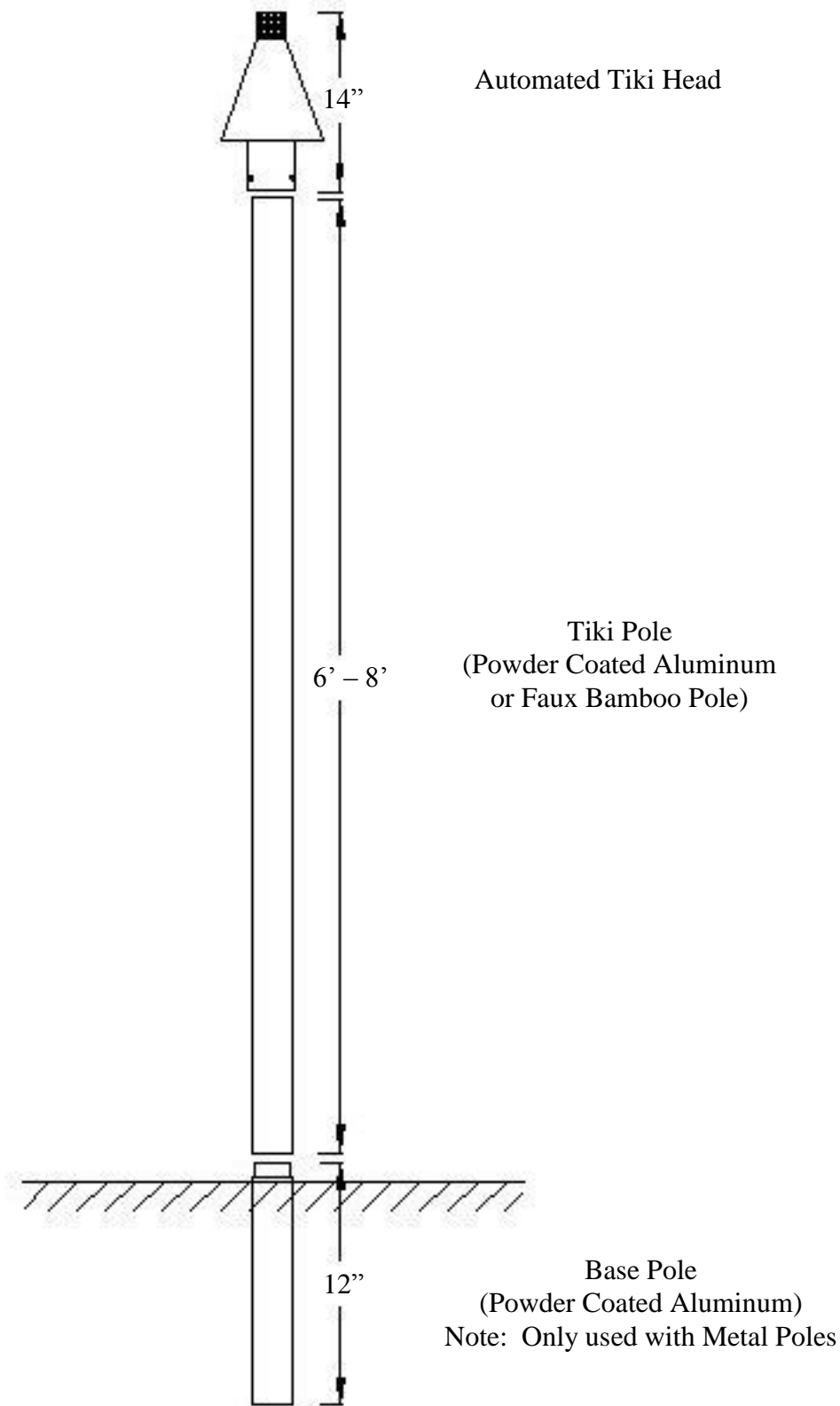


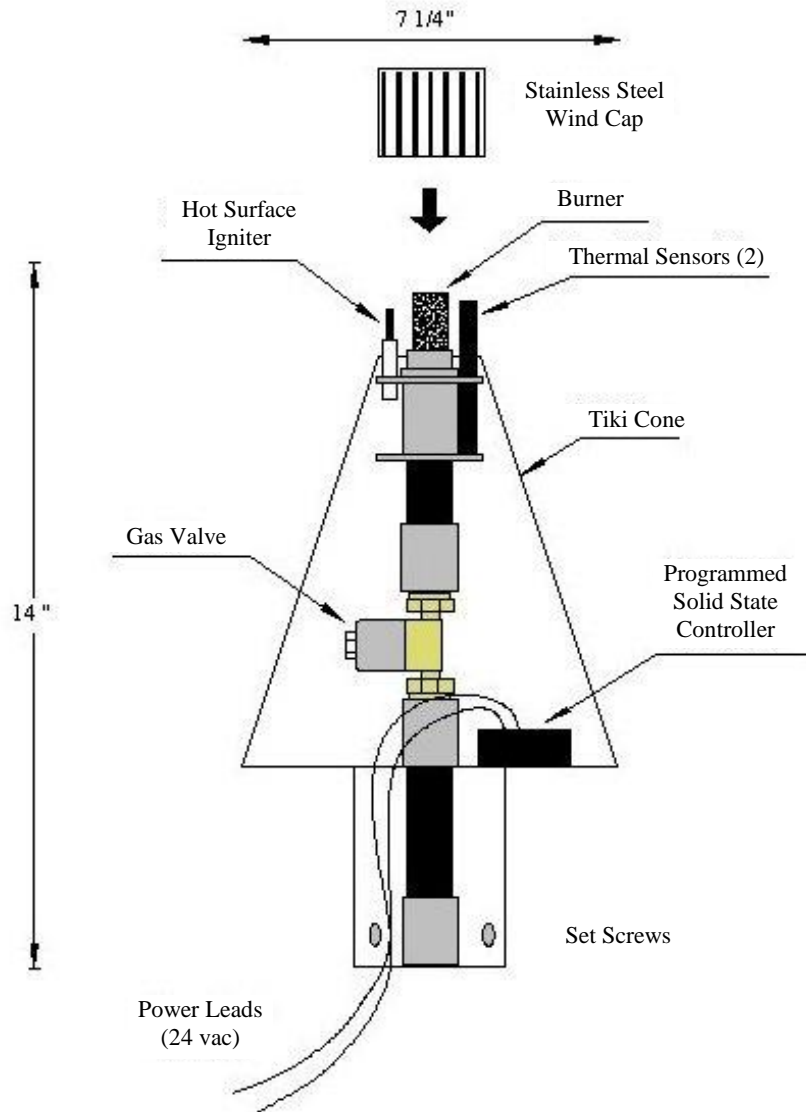
Automated Tiki Torch Installation Instructions



Automated Tiki Torch with Poles
(Exploded View)



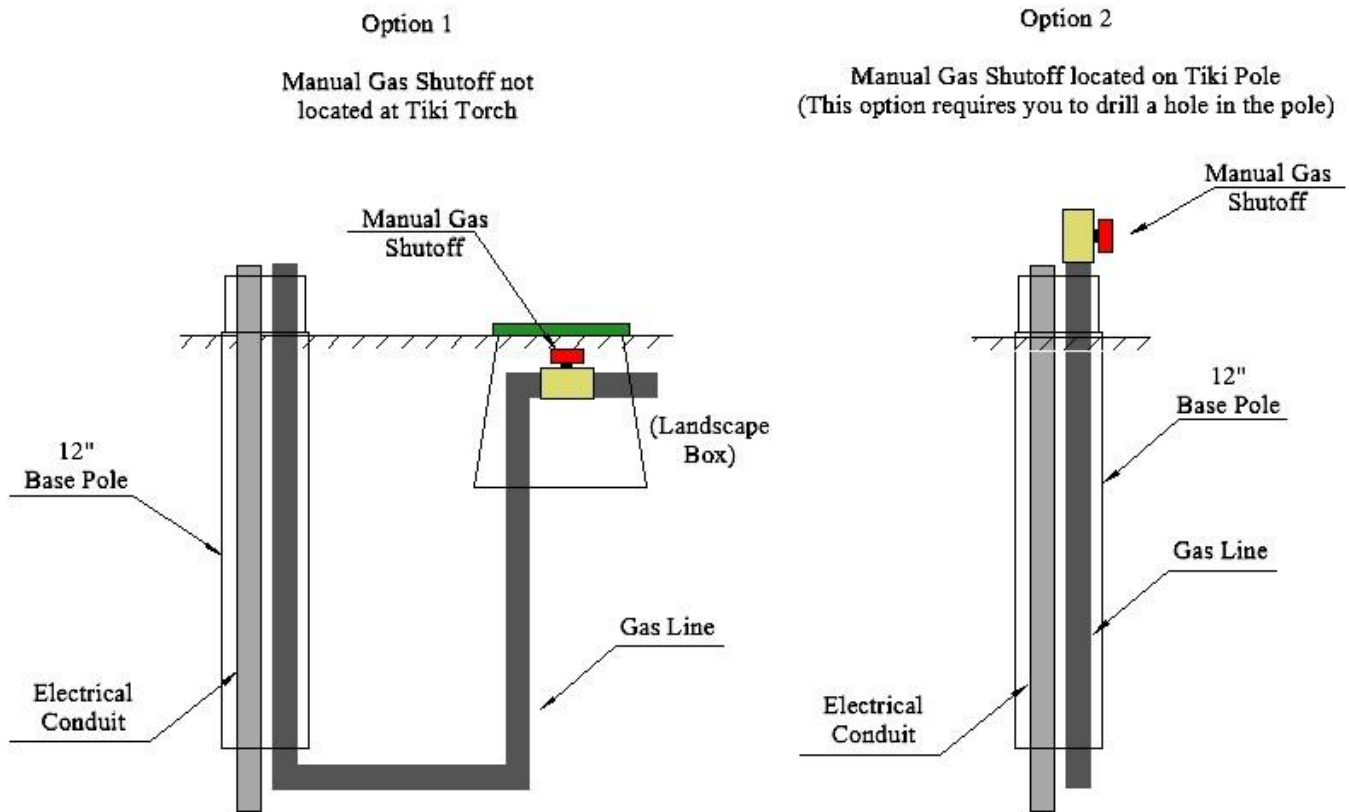
Automated Tiki Torch Specifications



Gas Consumption Per Tiki Head: 15K Btu/hr @ recommended gas pressure of 7" - 14" w.c.
Electrical Requirement: 24 vac (Transformers included with Tiki Torches)

Component	Electrical	Btu/hr	Listing
Hot Surface Igniter	24 vac	n/a	PTFE UL
Thermal Sensor	n/a	n/a	ANSI Z21.20
Solenoid Valve	24 vac	15k	CSA
Solid State Controller	24 vac	n/a	Applied for

Rough In Options for Automated Tiki Torches



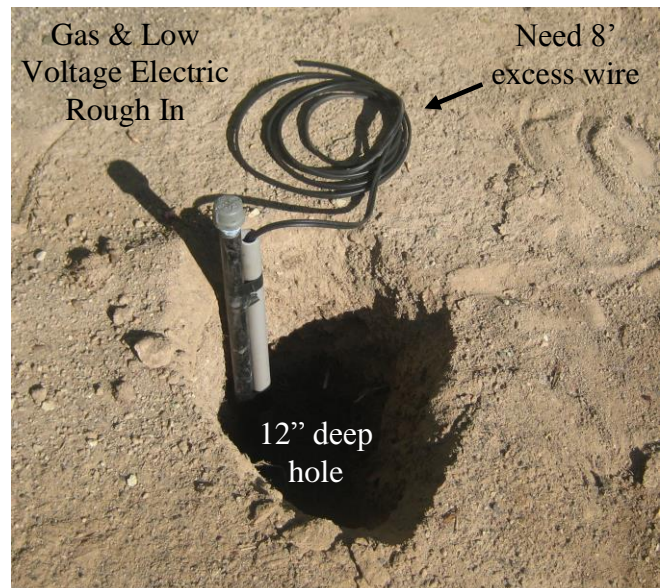
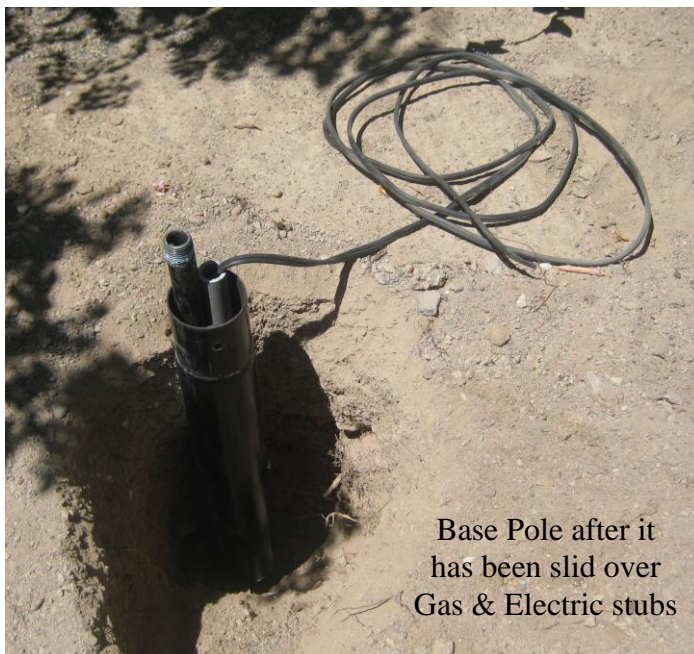
Electrical Wiring Recommendations

- When running 'home runs' to each Tiki Torch recommended wiring is min. 14 gauge
- When 'daisy chain' wiring 12 gauge wire recommended
- Do not daisy chain more than 2 Tiki Torches together
- Tiki Torches require 24 volts AC power. One transformer will power 2 Tiki torches
- One transformer is supplied for every 2 Tiki Torches ordered

Installation of Base Pole

Step 1

At right is a photo of ½" gas stub and an electrical conduit stubbed up inside a hole made by a post hole digger. The hole is 12" deep. The wire installed inside the conduit was low voltage landscape wire (12 gauge) and we pulled 8' of wire beyond the end of the conduit to have plenty to pull up through the poles in the Tiki.



Step 2

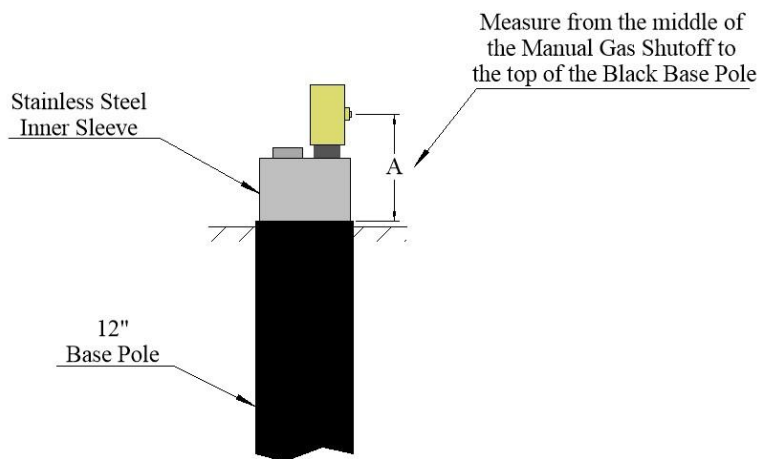
At left we fished the wire thru the Base Pole and slid it over the Gas & Electric stubs. Notice we adjusted the height of the Base Pole so that the tapered top end of the Base Pole ended up above grade. This we did to make the connection between the Base Pole and the Tiki Pole easier later on.

Note: If you are NOT locating the Manual Gas Shutoff ON the Tiki Pole skip to Step 5 on page 6

Step 3

If you are installing the Manual Gas Shutoff on the Tiki Pole (Option 2 from page 4) first remove the handle from the Ball Valve and then install the ball valve on the ½" gas riser as shown in the photo at right. The use of pipe dope or Gas Teflon tape is highly recommended to prevent a possible gas leak.



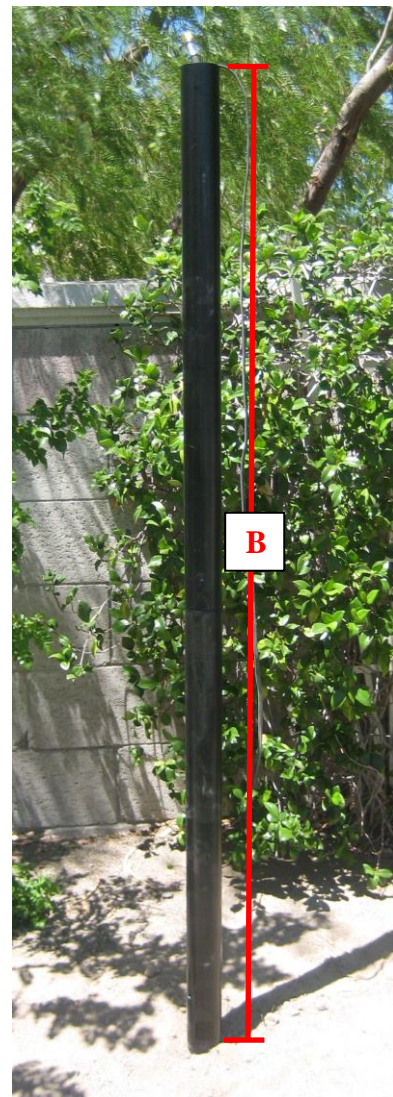


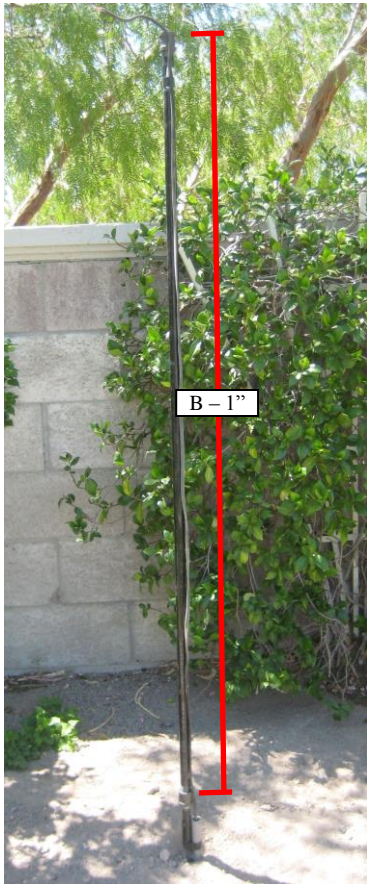
Step 4

Once the Manual Gas Shutoff is installed measure from the center of the Gas Shutoff to the top of the Black Base Pole. This dimension we shall refer to as measurement "A".

Step 5

Temporarily install the longer tiki pole and measure from the seam between the Base Pole and the top of the long tiki pole. This dimension we will refer to as measurement "B".





Step 6

Install $\frac{1}{2}$ " gas line to your gas riser (or manual gas shutoff valve) such that the end of the $\frac{1}{2}$ " gas line is 1" SHORTER than measurement "B" from the previous page. In addition, bring the wires previously installed up along the gas line and tape it to the gas line in anticipation of installing the longer tiki pole.

For those who are installing the Manual Gas Shutoff Valve in Tiki Pole

Step 6

Measure from the bottom of the long tiki pole up to measurement "A" and mark the pole. Then drill a 1" diameter hole in the side of the pole for the Manual Gas Shutoff Valve.



Step 6

Next install the Manual Gas Shutoff Valve as shown in photo at left.

Installing the Tiki Torch Head



Step 7

In the photo at left you are looking at a close up of the bottom of the Tiki Torch Head. Unless a custom configuration is requested there will be the 2 wires as shown along with a 1/2" coupling.

Step 8

Attach the wires from the tiki torch head to the 2 wires coming up inside the center of the pole. We recommend wrapping the wires that are coming up through the pole counter clockwise around the gas line 3 full turns in anticipation of threading the tiki head onto the gas line.



Step 9

Thread the tiki torch head onto the tiki pole and then secure by tightening the 3 set screws in the base of the tiki torch head.