

# **3 Stage Ethanol Flame**

## **Model AF80**

### **--82cm long**



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**Art Fireplace Technology Limited.**

**PROFESSIONAL INTELLIGENT FIREPLACE MANUFACTURER**

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**TECHNICAL DATA: AF80**

**3 Stage Flame Ethanol Burner (82 cm 32.28 in)**

**Flame 50.60 cm (19.92 in) width**

**Electronic ignition and security detectors**

- 1, Technical details
- 2, Dimensions of the burner
- 3, Minimum dimensions of safety
- 4, Operating Procedure



**1. TECHNICAL DETAILS**

- <1>Automatic ignition ordered by electrodes. ON/OFF switch and remote control.
- <2>Automatic injection function into the tank.
- <3>Security detectors which stop the burner in case of abnormal operation.
- <4>Security detectors: CO<sup>2</sup>, heat, burner level, tank level, level of filling, Leak etc...
- <5>LED display: operating time, error messages and beep sounds.
- <6>Stainless steel ethanol burner. Thickness of the top plate 3 mm.
- <7>Electronically managed Swedish Electric pump for filling the burner (from the medical field)

Adapter: 12 V / 100-240 V (50-60 Hz)      Output: 3250 - 4250 W

Tank capacity: 10.00 L      Net Weight: 24 KG

Consumption: 0.4-0.8 liter/hour

Dimensions: 82 / 24 / 21.5 cm ( 32.28 / 9.45 / 8.46 in )

SECURITY: Product meets electronic safety standards. CE/FCC/IC

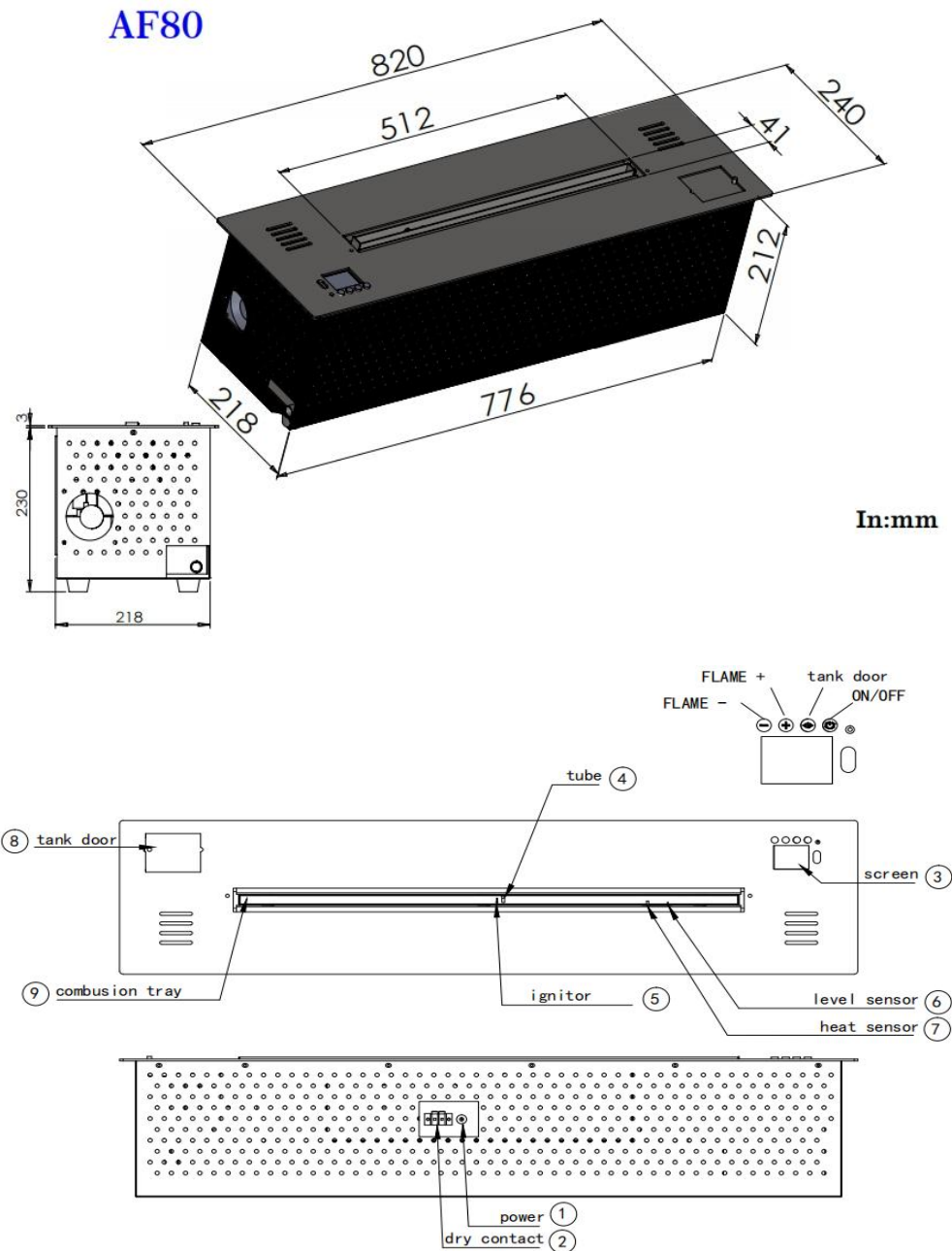
## TECHNICAL DATA: AF80

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## 2. DIMENSIONS OF THE BURNER



- 1, Before connecting electronic power to the burner, close the tank door well.
- 2, Connect electronic power to the burner, then wait **3 seconds**, and then operate the burner.
- 3, If you want to turn on the burner, keep pressing the On/Off button 3 seconds or press the remote controller.

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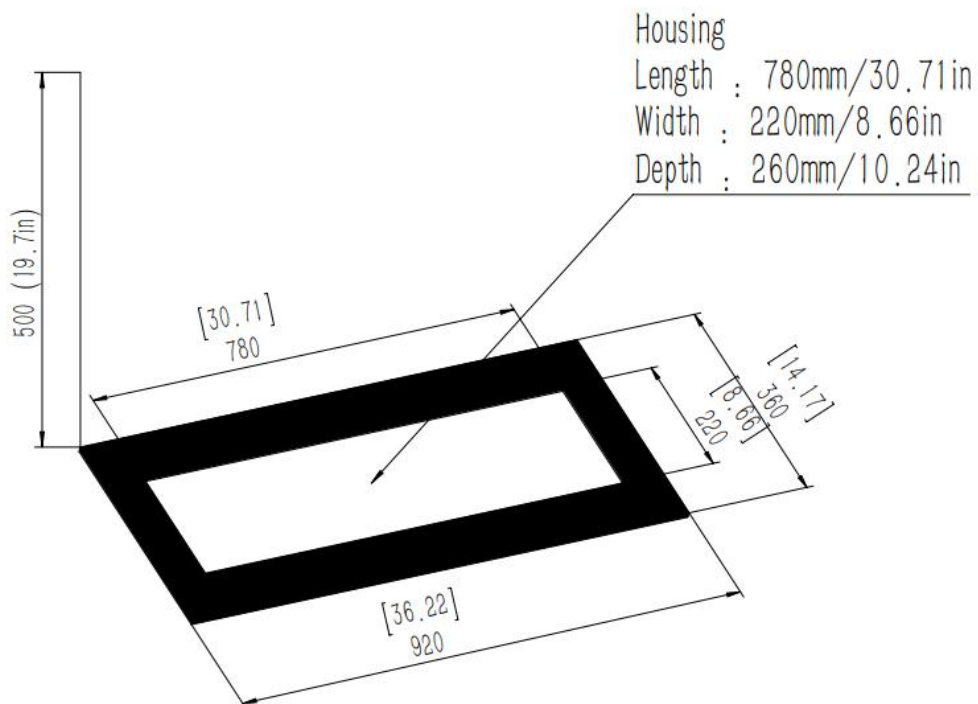
**Flame 50.60 cm (19.92 in) width**

**Electronic ignition and security detectors**

**3. MINIMUM DIMENSIONS OF SAFETY**

Minimum dimensions of safety with non-flammable materials

Above: 50 cm 19.7 inches. Edges: 7 cm 2.75 inches. Back side: 7cm 2.75 inches.



**4. OPERATING PROCEDURE**

**<1>Power supply**



Connect the provided 12V adapter

## TECHNICAL DATA: AF80

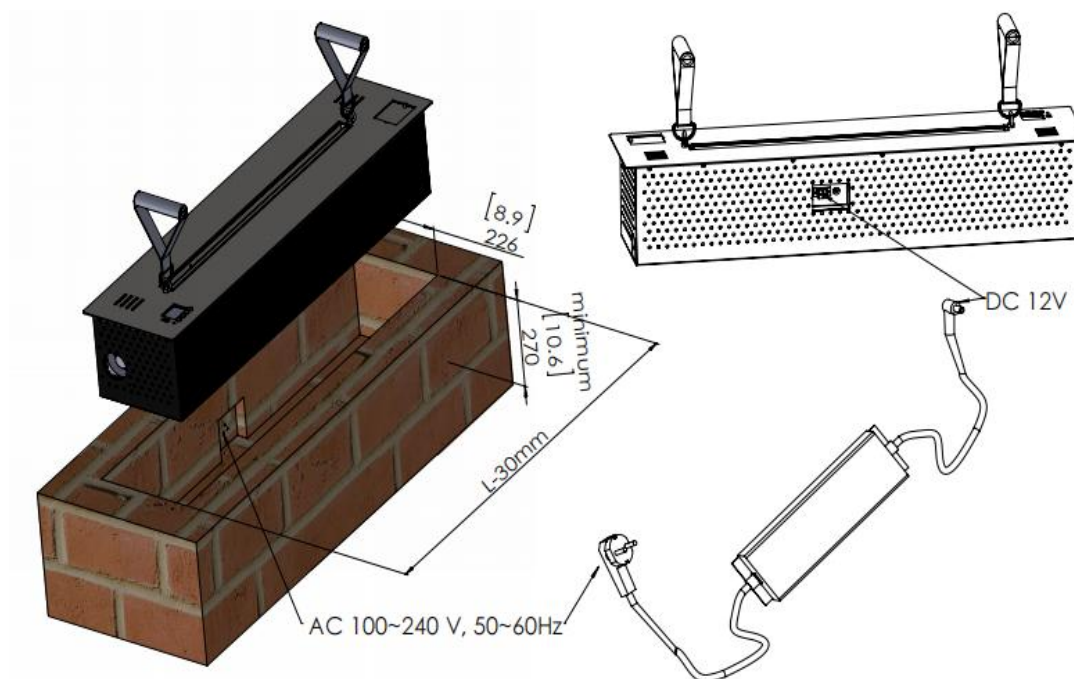
3 Stage Flame Ethanol Burner (82 cm 32.28 in)

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### <2>Installation

Insert the ethanol burner

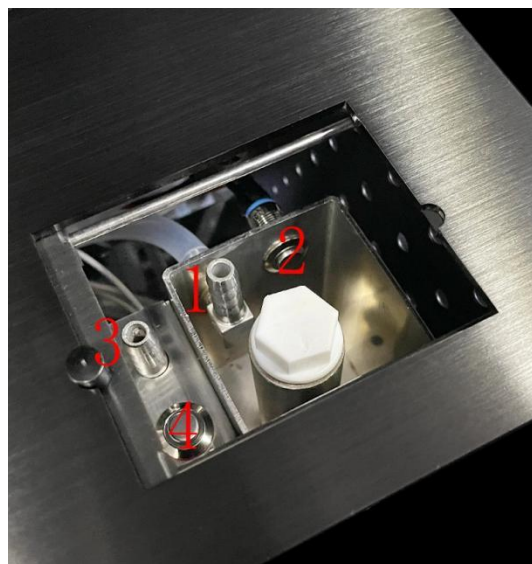


### <3>Add **FUEL** And **WATER** into The Tanks:

Use only bio ethanol 95 – 97% and Pure Water

Press on the tank door button or the remote controller to unlock the tank door.

Then open the door immediately, and fill the tank with fuel and water.



#### Automatic Injection Function:

Use a plastic tube to connect the burner **1** and the external ethanol tank.

Keep pressing the button **2** three seconds, the light will turn blue and the ethanol will be pumped into ethanol tank.

When ethanol tank is full, the automatic injection will stop and the light will turn off.

Use a plastic tube to connect the burner **3** and the external water tank.

Keep pressing the button **4** three

seconds, the light will turn blue and the water will be pumped into water tank.

When water tank is full, the injection will stop and the light will turn off.

Pull out the plastic tube and Close the tank door well.

After 5 seconds the door will be automatically locked.

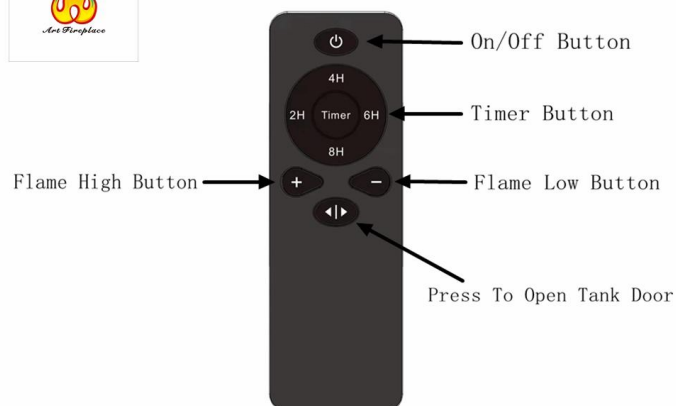
### Manual Injection Function:



Press This Button to open the door of the tank

**Attention:** Never fill the burner directly or fill the ethanol tank.

## 5. Remote Controller



Before Turn On The Fireplace, Please Open The Tank Door To Add Ethanol/Water Into The Tank

- 1, Press The button to turn On/Off the device.  
**If there is no ethanol and water in the device, device can not work.**
- 2, Press The button to Unlock the Tank Door, then open the door immediately.  
**Open the tank door to add ethanol and water into the tanks.**
- 3, Press The button to High Flame Mode.  
**Flame Level from 1-2-3 stage**
- 4, Press The button to Low Flame Mode.  
**Flame Level from 3-2-1 stage**
- 5, Timer Mode 2h/4h/6h/8h Timer  
Press button, 2 hours later device will turn off. Press again to cancel.





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