

# **ALS2000 Arc length system (AVC)**

**Industrial quality British made automatic arc length control system for DC or AC TIG welding or Plasma welding**

**Ideal for use with a column & boom, positioners, rotators etc**



Plasma cutting version of this is also available



Linear actuator/slide  
Has 100mm travel as standard other travel versions are also available

Optional X/Y slide version allows the operator to position welding torch height & side position.



Remote controller can be made to give many different functions including arc length, torch inch up & down, welding amps, start / stop etc

## **The ALS2000 controller has the following functions & features:**

The welding torch can be positioned by the operator with the inch up & down buttons on the control box or on a remote control.

The arc voltage can be preset before welding by the front panel knob or on a remote control & the voltage displays on the digital readout.

A start delay timer is fitted which automatically senses when welding current is flowing & takes over control of the arc length, this time can be set between 0 & 10 seconds.

There are sensitivity & actuator speed control knobs which control how fast the actuator corrects any changes in the arc length.

An auto on light shows when the control is functioning i.e. when welding current is flowing & the start delay time has elapsed.

The ALS2000 can also be switched to manual operation allowing the operator to have full control of the welding arc length by using the up & down inch switch on a remote or on the front panel.

The control box is suitable for mounting or can be stood on top of other equipment.

## **Technical Specifications**

### ALS2000 control

Main supply	110V 2A (others possible)
Start delay timer	0-10 seconds
Voltage control	5-50V (OCV up to 120V)
Voltage readout	Digital for preset & actual
Actuator voltage	12V
Size approx	210X370X300mm
Weight approx	10KG

### Standard linear actuator

Stroke length	100mm (other options)
Weight capacity	25KG max
Max speed	10mm per second
Limit switch	Top & bottom of travel
Torch clamp	Fitted to customer needs
Size	460X100X100mm + mounts
Weight	8KG approx

**Many other specs & variations of this are available please enquire.**