



Description:

With this control box you have both ignition and flame control, all in one box using only one electrode. This makes the system easy to install and eliminates many of the problems tied up with installation of traditional systems.

Function:

When power is applied the ignition box starts igniting and output pin **2** is internally connected to pin **3** (30V). If the box detects a flame, the yellow lamp lights and the spark stops. As long as the flame is detected, the yellow lamp lights constantly, and pin **2** emits 30V. In case the flame disappears, the spark starts again and the yellow lamp stops lightening. If the flame does not return within approximately 7 seconds, the spark stops, pin **2** disconnects, pin **1** starts emitting 30V and the red lamp turns on to indicate a fault condition. To reset the ignition box it is necessary to switch power off and on again.

Hints:

The ignition box detects the flame by means of an ionization principle, not by heat or light. This means that the center electrode of the spark plug **must** be positioned **in** the flame. The best position in the flame is where the gas speed is low. Recommended spark gap is approximately 4-5 mm.

Specifications:

Power supply:	10-30 VDC	Dimensions:	Height:	55 mm.
Op. Temp. Range:	-10°C - +85°C		Length:	80 mm.
Flame error timeout:	7 sec.		Width:	30 mm.
Valve output:	2,5 Amp.	Weight:	230 grams	

P/N S-50077