

# PARLOUR HYGIENE

## AIR INJECTOR



## Installation & Operation Manual<sup>iss1</sup>



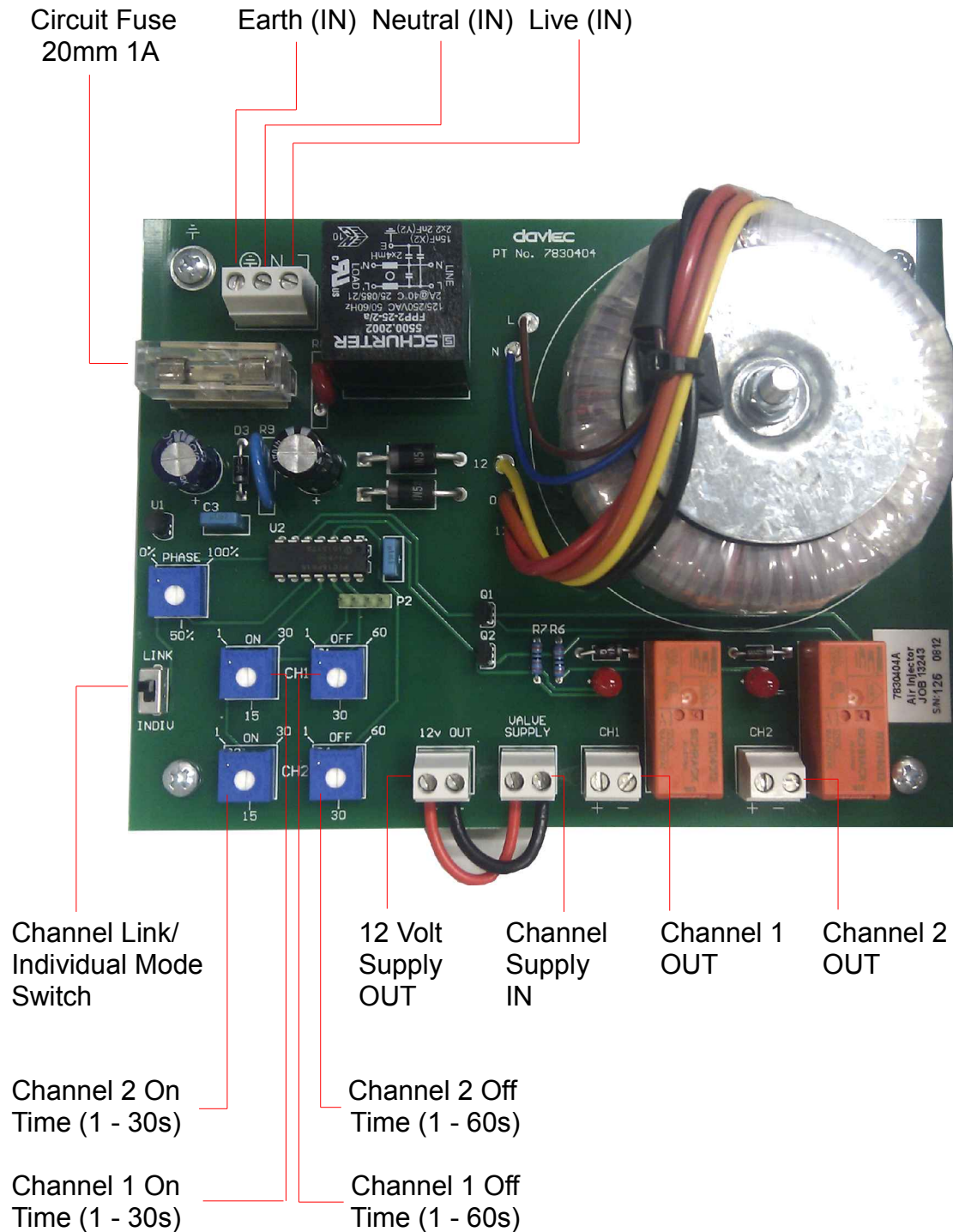
## OPERATING & MAINTENANCE

The Davlec Air Injector is a dual channel air solenoid control for milking parlour washing. Each channel can be precisely set to switch on an air blast solenoid at regular intervals to help maintain clean milk lines.

The two channels can be operated as two individual controls or linked together allowing the unit to cater for single, loop or branch type milk lines.

Each channel by default supplies 12 volt d.c. to a connecting solenoid, but removing the supply link wires allows a secondary supply source to be used.

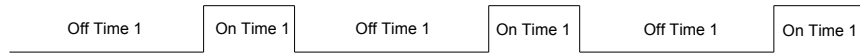
## INSTALLATION & SETUP



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### INDIVIDUAL MODE

Channel 1



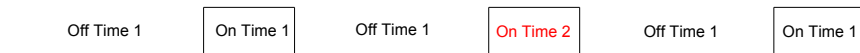
Channel 2



This mode enables both channels to be individual and therefore the channel ON times may overlap during the course of operation.

### LINK MODE

Channel 1 & 2



This mode enables both channels to be linked ensuring that both channel ON times do not overlap allowing vacuum in the milk lines to build up sufficiently. Both channels in LINK mode share the channel 1 OFF time, but both channel ON times are independent.

**PLEASE NOTE THAT THE "PHASE" CONTROL DIAL DOES NOT PROVIDE ANY FUNCTION AND WILL HAVE NO EFFECT ON CHANNEL SETTINGS.**

## INSTALLATION & SETUP

**Warning - Mains Voltage Wiring Involved ! All wiring should be carried out by a qualified electrician. Davlec Ltd. cannot be held responsible for any injuries caused by incorrect installation.**

The air injector control requires a 240 volt A.C. mains supply with fuse protection rated at 3 Amps.

Mount the air injector control enclosure on a flat vertical wall near to a switched 240 volt AC 13 Amp mains supply outlet. The enclosure has wall fixing holes directly under the enclosure lid fixings.

**ALL WIRING MUST ROUTED FROM THE UNDER SIDE OF THE ENCLOSURE. FAILURE TO DO SO MAY INVALIDATE YOUR WARRANTY.**



CABLE ENTRY

**PLEASE ENSURE THAT SUPPLIED DIODES ARE FITTED  
ACROSS SOLENOID POWER TERMINALS.**

## SPECIFICATION

<b>Product Name</b>	Air Injector					
<b>Product Family</b>	Parlour Hygiene					
<b>Enclosure</b>						
<b>IP Rating</b>	68					
<b>Material</b>	ABS					
<b>Dimensions</b>	W	175mm	L	175mm	D	80mm
<b>Electrical</b>						
<b>Supply Voltage</b>	240 volt A.C.					
<b>Maximum Peak Voltage</b>	N/A					
<b>Frequency</b>	50 Hz					
<b>Maximum Current Load</b>	1.0 Amps per channel					
<b>Protection</b>	1 Amp 20mm Fuse (PCB Mounted)					
<b>Environmental Conditions</b>						
<b>Temperature</b>	0 to 45°C					
<b>Humidity</b>	5 to 95%					
<b>Location</b>	Indoor use only					
<b>Approvals</b>						
EMC Conformity to: EN 61000-6-1:2007, EN 61000-6-3:2007, EN 55022:2006						