

A NEW GAS IGNITION CONTROL CALCULATOR

ABBEY ELECTRONICS™

IgnitionBox[©]

Calculator Simplifies Ignition Control Specification

Abbey Electronic Controls have released a new calculator to help OEM's simplify the design and choice of their electronic ignition functions. Appropriately named IgnitionBox[®], it is a software tool that is used to capture the functions that are required by the

OEM for the gas ignition application at hand.

Designing gas ignition functions and then searching for a unit that offers those functions can take an inordinately long time. The

delays involved can result in extending time to market which of course translates into lost market opportunity, not to mention increased direct costs.

How IgnitionBox Helps

IgnitionBox helps to eliminate these negative factors. All key parameters of an electronic gas ignition controller such as Type of

ignition (i.e. Spark or Hot Surface), whether or not there should be a Fan, timings such as Pre-Purge, Inter-Purge and Post-Purge, are directly captured by IgnitionBox.

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This is possible, not only because Abbey Electronics have a wide range of electronic ignition controllers, but because we can program almost any function into our Fx4 series of programmable Electronic Ignition Controllers (see side panel to read more about the Fx4). More information at <http://www.abbeycontrols.co.uk>.

FX4 SERIES OF PROGRAMMABLE ELECTRONIC IGNITION CONTROLLER

The **Fx4** is a programmable Electronic Gas Ignition controller



All its functional parameters are fully programmable. Since stock of the basic hardware is maintained, it means that a very short turnaround can be met. In as little as 24 hours of receiving the OEMs specification, a unit can be sent out. This



The screenshot shows the 'IgnitionBox' software interface, version 1.0.0.5. The window title is 'IgnitionBox © - Ignition Control Specifier - Version 1.0.0.5'. The interface includes a menu bar with 'Files' and 'Help'. Below the menu bar is the AEC logo and the text 'ABBEY ELECTRONICS Ignition Control Specifier.' There are buttons for 'Fx4 Wiring Diagram', 'Fx4 App Note', and 'Submit Enquiry'. A text field contains the identifier 'FL45SPTEV/p0/i1/g0/s5/n3'. A 'Disable Tool Tips' checkbox is checked. The 'Operating Voltage' section has radio buttons for 3V, 6V, 12V, 24V (selected), 48V, 110V, 230V, and 'Other' with a value of 6 V. The 'Fan' section has radio buttons for 'Yes' and 'No' (selected). The 'Bumer Type' section has radio buttons for 'Pilot' (selected) and 'Direct'. The 'Pilot Type' section has radio buttons for 'Intermittent' (selected) and 'Interrupted'. The 'Ignition Type' section has radio buttons for 'ESI' (selected) and 'HSI'. The 'L/O Type' section has radio buttons for 'Volatile' (selected) and 'Permanent'. The 'Timing' section has input fields for 'Pre-Purge Time' (0), 'Inter-Purge Time' (1), 'Post-Purge Time' (0), 'Safety Time' (5), and 'Ignition Attempts' (3). Below this is a 'Requirements' section with a 'Quantity' field (1) and an 'Annual Quantity' dropdown (100 to 999). There is a text area for 'End Use & Additional Notes'. The 'Contact Details' section has a red asterisk indicating required fields: 'Name', 'Company', 'Telephone', 'Email', and 'Postal Address', each with an input field.

Figure 1 [IgnitionBox](#) - Calculator for specifying electronic Ignition Controllers.

Abbey Electronic Controls are specialists in providing support to many kinds of OEMs and specialize in supplying bespoke solutions and consultancy service.

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