SPAD 346 C

Contents for How to Use the Simulator Program

This manual describes the various items you see in the simulation program. To choose a Help Topic, click on the underlined topic to view the text.

Toolbar

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Toolbar

	Exit button	Exit simulator program
	Power Switch button	Simulates the switching on/off of the power supply to the SPAD 346 C relay
	Factory Settings button	Change all settings to the defaults set when the relay is shipped from the factory. WARNING: Selecting this option results in the lost of all current settings.
	Factory settings button	Disabled when power supply is OFF
	Simulate current or voltage injection	This window allows the simulation of current or voltage injection into the relay. Select the required module for which the current or voltage is to be injected. *Inject preset current* command button Simulates the one time (static) injection of the input current into selected input of the relay.
	Simulate Current Injection	Disabled when power supply is off or when display is not in main menu
	Forced Activation	Enable the force activation mode. This will place the user at Register 0.
	Forced Activation	Disabled when power supply is off or during initial test routine.
	Change Simulator Colour	This option allows the user to change the colour of the various relay items like the LED, Dipswitches, etc..
	Change Simulator Speed	The scrolling speed of the LEDs can be controlled using this option

	Copy button	Copy selected area to the clipboard. Upon selecting this option, the cursor is restricted to the SPAJ 115 C relay area. *To select the required area* • Press and hold left mouse button at top left hand corner of required area. • Move mouse to bottom right hand corner of required area. (a rectangle box is display to show the selected area) • Release the mouse button. Note: Click once anywhere to cancel the copy command
	View Clipboard	This button will launch the clipboard viewer. It allows the user to view the items copied to the clipboard.
	Print Simulator Window	This function sends the current screen image to the printer attached.
	SPAD 346 C manual button	
	Help on Simulator	Displays the help manual on how to use this simulation program
	Getting Started Tutorial	A step by step guide on how to use the program
	About	Display program information, version number and copyright information.

Menu Commands - File

View Clipboard -   Display the contents of the clipboard

Copy to Clipboard -   Copy selected area to the clipboard.
                                        Upon selecting this option, the cursor is
                                        restricted to the SPAJ 115 C relay area.
                                        To select the required area
- Press and hold left mouse button at top left hand corner of required area.
- Move mouse to bottom right hand corner of required area. (a rectangle box is display to show the selected area)
- Release the mouse button.

                                        Note: Click once anywhere to cancel the copy
                                        command

Print Simulator window -   Print the contents of the SPAD 346 C window

Print Setup -   Change the printer configuration

Exit -   Stop running the simulator program

Menu Commands - Options

Clear All Registers -   Resets all readings in registers (1 to 9) to zero

Simulate current or voltage   This window allows the simulation of current or voltage
injection -   injection into the relay.
       Select the required module for which the current or voltage
       is to be injected.
       IInject preset current command button –
       Simulates the one time (static) injection of the input current
       into selected input of the relay.

Forced Output Activation -   Places the simulator in the *Forced Output Activation* position
       (i.e. "forced" trip mode).
       Note: In the relay, this position is reached by running through the
       relay positions to position zero (with the reset button) and then
       pressing the program button down for more than 5 seconds

Turn on/off power switch -   Simulates the switching on/off of the power supply to the SPAD
       346 C relay

Menu Commands - Preferences

Show Toolbar/Show Status bar -   Displays/removes the toolbar on the screen depending on whether it is currently removed/shown respectively.

Change LED Colours -   Change the colours of the background and LED's to suit individual screens and preferences
Click on the appropriate box to change the corresponding colour
Click on the "Apply changes to Simulator" button to confirm the changes made
Click on the "Apply default colours" button to set all colours to permanently set defaults
Click on the "Cancel all color changes" button to cancel all changes made

Change Simulation Speed -   Change the speed at which the simulator works. This allows for adaptations to individual hardware configurations. When this option is selected, the following window is shown
Use the left mouse button to click on the left (or right) arrow to increase (or decrease) the simulation speed. Alternatively, click (and hold) the flashing box on the slide and drag it to the required position.

Click OK to confirm the changes made or click CANCEL to ignore any changes

Change Background -   Changes the background colour of the window.

Change to Default Settings -   Change all settings to the defaults set when the relay is shipped from the factory.
WARNING: Selecting this option results in the lost of all current settings.

Change to Customized Settings -   All settings are automatically saves to file when:
1.   Power is turned off
2.   Program exits
These (current) settings are also automatically loaded when the program is restarted.

Another (separate) set of settings can be saved by using the SAVE AS CUSTOMISED SETTINGS option. This allows the user to keep a set of preferred initialization settings, which can be, reload at any time using the CHANGE TO CUSTOMISED SETTINGS option. Selecting this option results in the lost of all current settings.

Save as Customized Settings -   All settings are automatically saves to file when:
1.   Power is turned off
2.   Program exits
These (current) settings are also automatically loaded when the program is restarted.

Another (separate) set of settings can be saved by using the SAVE AS CUSTOMISED SETTINGS option. This allows the user to keep a set of preferred initialization settings, which can be, reload at any time using the CHANGE TO CUSTOMISED SETTINGS option. Selecting this option results in the lost of all current settings.

Menu Commands - Help

Help on Simulator -   See this help window

Show Simulator Manual -   Show the online manual

How to Use Help -   Learn how to use this help window

Getting Started Tutorial -   Runs the tutorial on some basic functions

About SPAD 346 C -   Information about the simulator and system resources