TWINFLEX®pro

FIRE DETECTION SYSTEM

OSP Configuration Software

(Suitable for TWINFLEX®pro control panels from V1.00)

Software Operating Instructions

(TO BE RETAINED BY THE COMMISSIONING ENGINEER)

26-1129 Issue 1

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Due to the complexity and inherent importance of a life risk type system, training on this equipment is essential and commissioning should only be carried out by competent persons.

Fike cannot guarantee the operation of any equipment unless all documented instructions are complied with, without variation.

E&OE.

Fike equipment is protected by one or more of the following patent numbers: GB2426367, GB2370670, EP1158472, PT1035528T, GB2346758, EP0917121, GB2329056, EP0980056, GB2325018, GB2305284, EP1174835, EP0856828, GB2327752, GB2313690

Contents

Introduction

TWINFLEX®pro OSP is the name given to the high level software package written to enable the individual configuration of the TWINFLEX®pro fire alarm systems. This Windows based program allows the system to be set up for each application. Note that whichever panel is used, there is no difference in the mode of operation of the program.

Much thought has taken place to implement operations in as simple a way as possible whilst not losing flexibility through over-simplification.

Tools are also included to enable you to create reports and specifications from your programming, including both configuration and event log reports.

Getting Started

System Requirements

The TWINFLEX®pro OSP configuration software is available on the Fike Software CD. In order to run the program you will require the following:

- A desktop or laptop PC running the Windows XP or Windows 7 operating system (32-bit versions) with at least 1GB RAM.
  - The PC must have a CD drive in order to install your software.
  - The PC must have a USB port for connection to the panel.
- A USB interface lead for connection of the PC to the control panel.

Physical Connections

The USB Interface lead connects between the USB port on the control panel and any USB port on the PC.

Software Installation

Important: Install software and driver before connecting to panel.

In order to commence installation, insert the OSP CD-ROM in your CD-ROM drive.

NOTE: If the CD does not autorun on your chosen PC, open up the CD in Windows Explorer. The CD may contain a number of different directories. Locate the file titled 'TWINFLEXpro OSP Setup.exe' and run it.

Follow the instructions while the software loads onto your hard disk drive. The software will be installed in the following location:

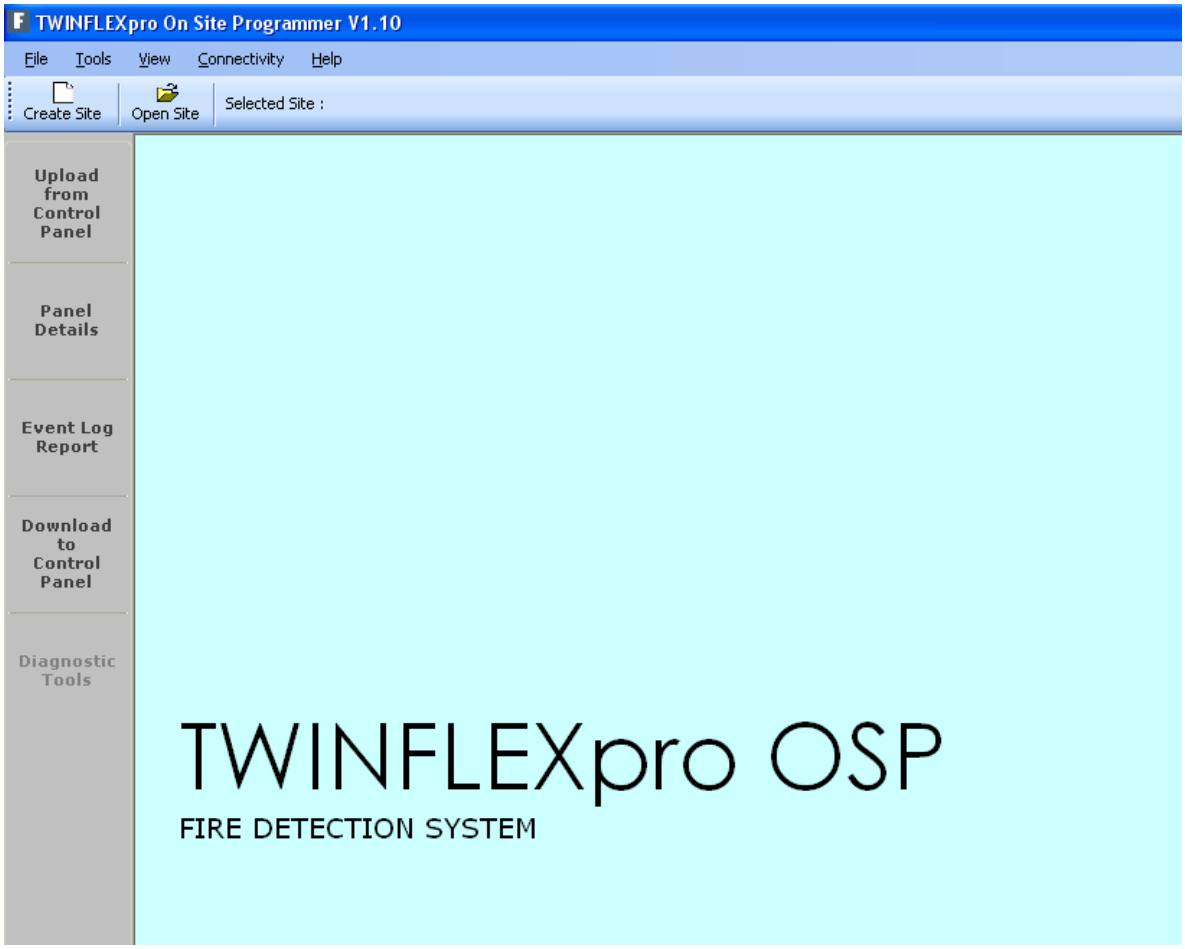
**C:\ Program Files \ FST \ TWINFLEXpro OSP **

If required, a shortcut from the file titled 'TWINFLEXpro_OSP.exe' may then be copied onto the desktop for ease of access, and labelled with the actual software version number (eg. V1.10) to prevent confusion with possible future releases.

Note that USB drivers for the* TWINFLEX®pro *will have to be installed before the panel can be connected to the USB port. These are normally installed as part of the OSP software installation.

TWINFLEX®pro OSP Layout

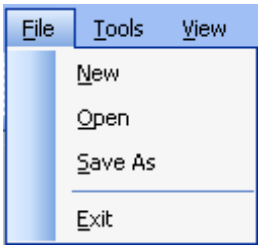
Main Screen



The 'Status & Menu' screen is the front page, index and guide for programming using TWINFLEX®pro OSP. Functions are controlled via the various on-screen buttons (arranged vertically to the left of the screen) and menus (arranged horizontally at the top of the screen).

When features in the OSP program are selected by pressing buttons, Cancel and OK buttons will appear at the bottom of the screen. OK is pressed to accept any changes to the data that you make. Cancel is pressed to leave the feature without saving any data changes.

'File' Menu



The 'File' menu contains the following options:

New

This feature will create a 'New' configuration file with extension *.TF4.

This file type may be classed as 'unlocked', allowing modifications to be made to the configuration.

Note that a site may consist of more than one stand alone panel. TWINFLEX®pro panels are not networkable).

This function is also repeated in the form of an on-screen button in the toolbar immediately below the file menu.

i.e. 

Open

This feature will open an existing, or 'Old' configuration file so that it can viewed and modified if required. This function is also repeated in the form of an on-screen button in the toolbar immediately below the file menu.

i.e. 

Note that if a file is modified, it should be downloaded to the panel to make sure the panel configuration is up to date. The file is not locked to a specific panel so the same configuration can be loaded to multiple panels if required (provided it is suitable).

Save As

This feature will save configuration file to the file name and address of your choice.

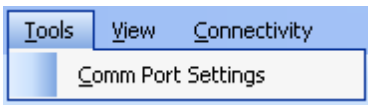
Exit

Exit the TWINFLEX®pro OSP program.

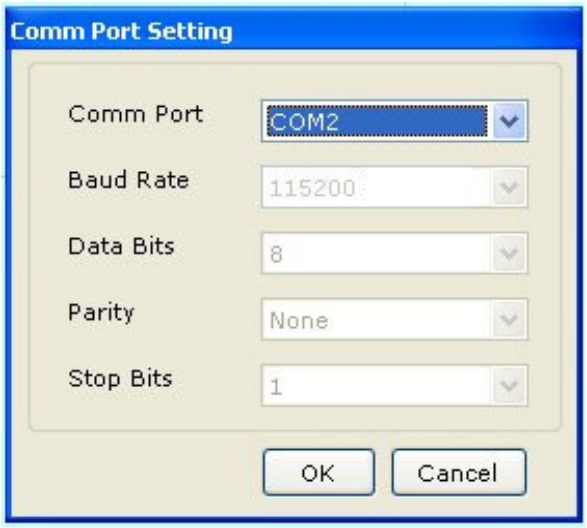
New Files

You will first be prompted with a "Save As" screen for a name for the site. Site data files are saved with type .TF4.

Tools Menu

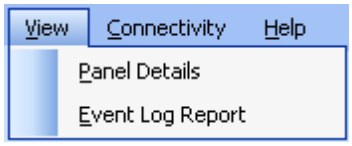


Comm Port Settings



The only thing that may need to be changed on this menu is the Communications Port which will depend on the PC that is being used. This will be the port set by the USB driver.

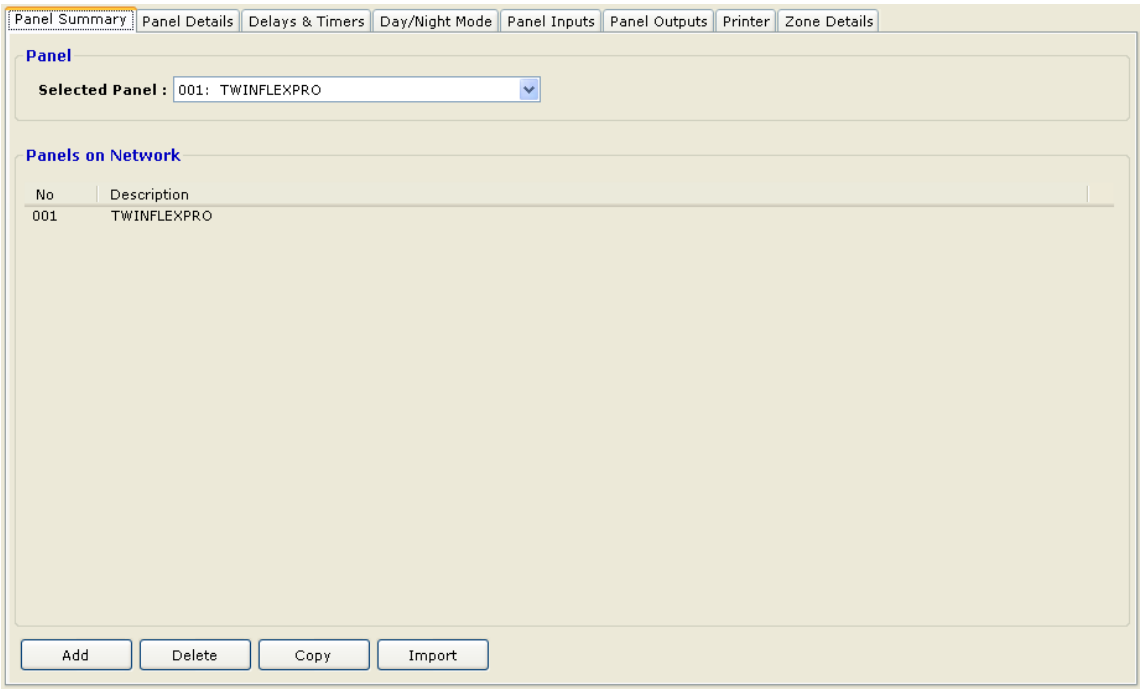
View Menu



Panel Details

Clicking on Panel Details or the Panel Details button brings up the following screen.

This function is also repeated in the form of an on-screen button in the Left hand side toolbar.



Note that there are eight tabs on this screen, each of which is described below.

Panel Summary Tab

On this tab you can use the four buttons at the bottom of the screen to add, delete, copy and import panels from the configuration data as follows.

Add

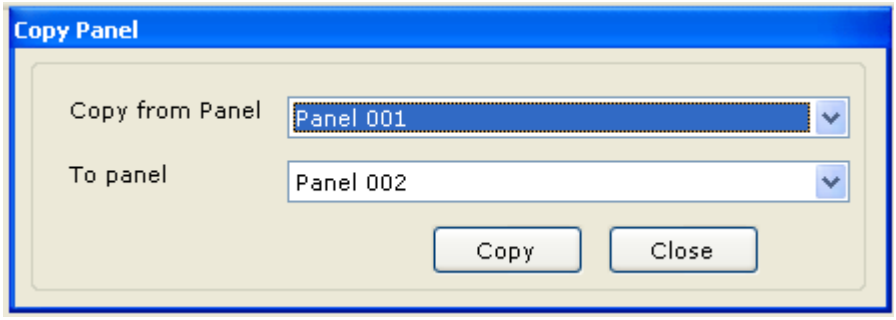
The Add button on the upload screen allows you to add a new panel to the current configuration on the PC. This feature is also available on the “Upload Data” screen available from the “Upload from Control Panel” button.

Delete

The Delete button allows you to delete a panel from the current configuration on the PC. This feature is also available on the "Upload Data" screen available from the "Upload from Control Panel" button.

Copy

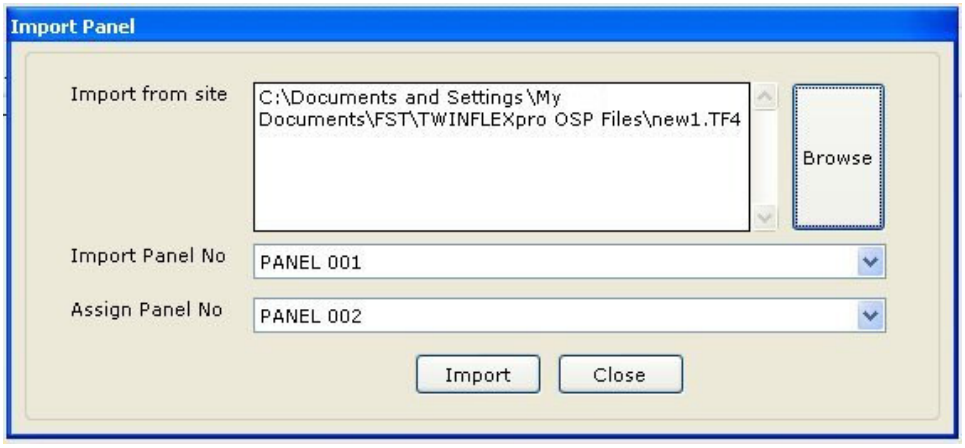
The Copy button on the upload screen allows you to copy the details from an existing panel to a new panel number on the PC. This feature is also available on the "Upload Data" screen available from the "Upload from Control Panel" button.



In the above example, we have selected Panel 001 from that site and the data from that panel will be copied into Panel 002 in our configuration. The data may only be copied to a panel number that does not already exist in the configuration. If you want to copy the data to an existing panel, the existing panel should first be deleted using the Delete button.

Import

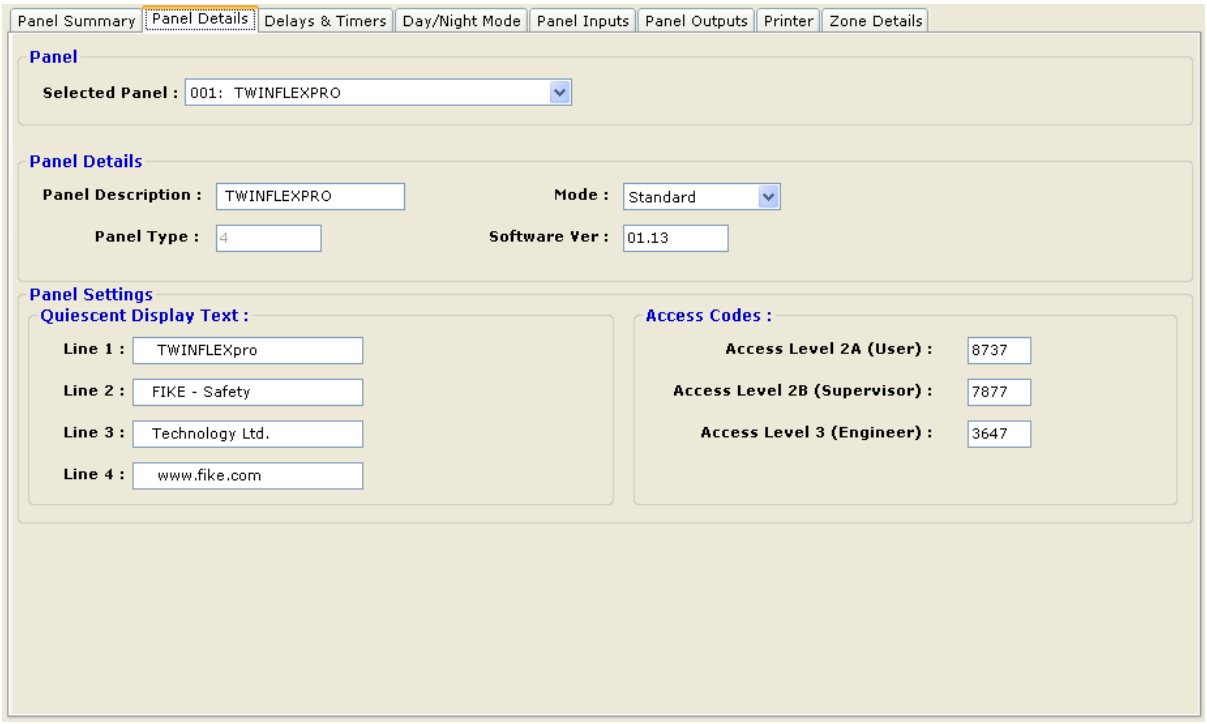
The Import button allows you to browse for a DIFFERENT site and copy the details of a panel on that site to a panel number in the current configuration. This feature is also available on the "Upload Data" screen available from the "Upload from Control Panel" button.



In the above example, we have picked a different site named New1.TF4. We have selected Panel 001 from that site and the data from that panel will be copied into Panel 002 in our configuration. The data may only be imported to a panel number that does not already exist in the configuration. If you want to import the data to an existing panel, the existing panel should first be deleted using the Delete button.

Panel Details Tab

The Panel Details tab is shown below.



In the top section you can select the panel and the details of the selected panel will appear in the bottom half of the screen where they may be edited.

Panel Description

A panel description (up to 14 characters) may be allocated to the panel.

Panel Mode

The only available panel mode is Standard. This may change with future developments.

Panel Type

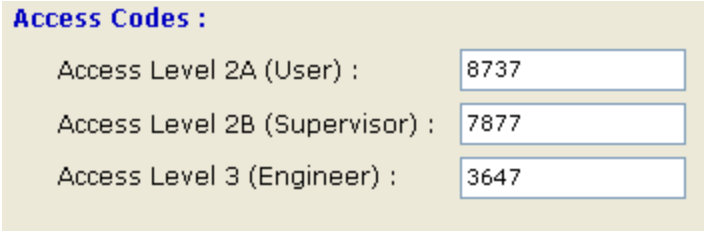
The Panel Type section indicates the number of zones available in the current panel (2, 4 or 8 zone).

Quiescent Display Text

You can set up four lines of user-definable text which is shown on the panel when it is in the start up condition. Only line 2 and 3 are indicated in a quiescent state. The default text is shown in the sample screen above.

Codes

The control panel access codes may be changed as required on this screen.



The default codes for Access Level 2A (user), Access Level 2B (Supervisor) and Access Level 3 (engineer) are shown above. They may be changed to any combination of 4 digits.

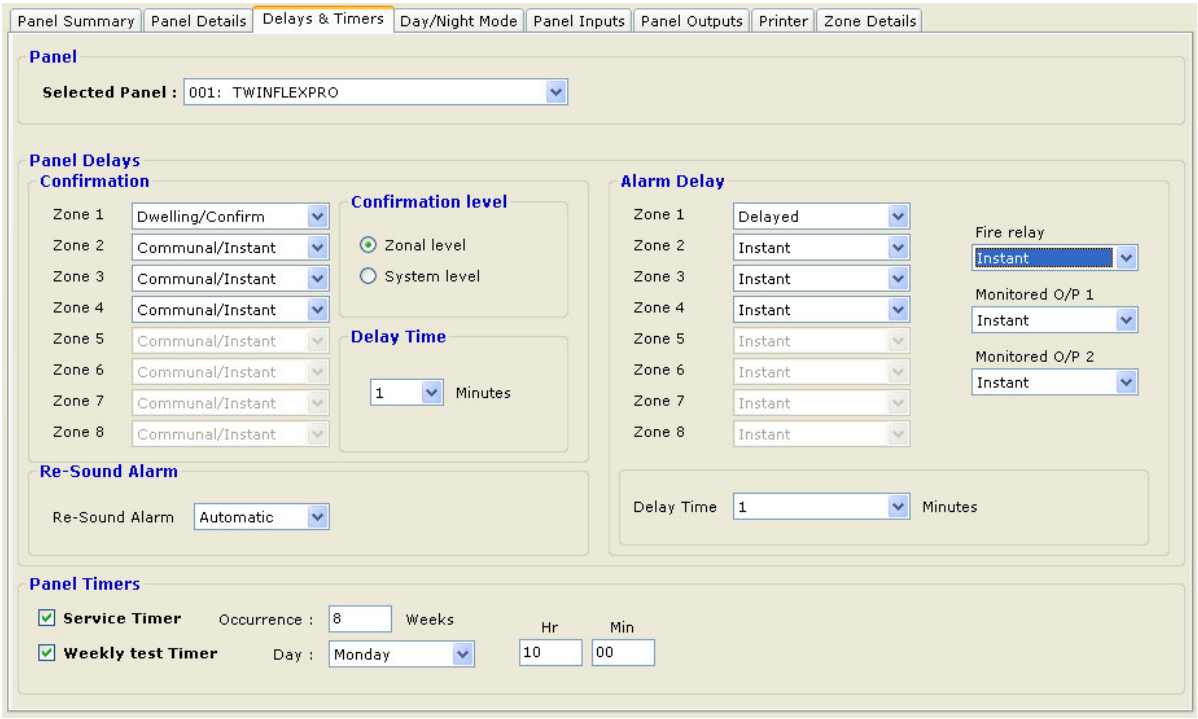
Upload and download may only be carried out from Access Level 3 (engineer). Changing the engineer code from its default will restrict access to the engineer functions to only those who know the new code.

A **Back Door** code can be provided if the codes chosen are lost. If this is required, contact Fike technical support with the following information:

1. The control panel serial number
2. The control panel software version number
3. The site name and details
4. Your details
5. Written authorisation from the legal owner of the system to request back door codes for the system.

Delays & Timers Tab

The Delays and Timers tab is shown below.



Alarm Delays

An alarm delay can be programmed for selected zones with values between 0 and 5 minutes.

An Alarm Confirmation delay may be set up so that when an alarm occurs, it is not immediately reported. The system will wait until the end of the delay time and then check that the alarm is still present. If it has cleared, the device which was in alarm will be reset and no further action need be taken.

The delay time for alarm confirmation can be programmed from 1 – 5 minutes. This option cannot be used at the same time as alarm delay.

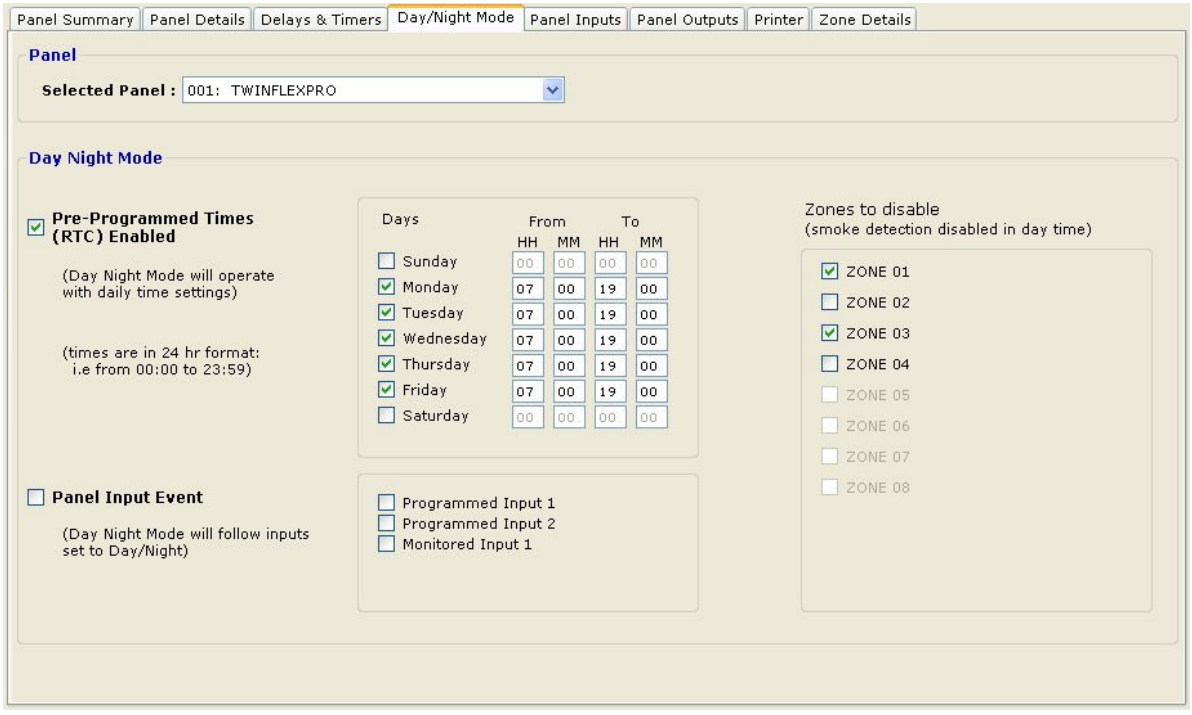
Panel Timers

You can program how often the service timer is to occur so that the end-user is prompted to call for a service.

You can also specify a day and a time (hours and minutes on the 24 hour clock) for a weekly test to be performed on the panel. Leave the fields blank if you do not want a weekly test or un-tick the boxes provided.

Day/Night Mode

The Day / Night mode tab is shown below.



Pre-programmed Times (RTC) Enabled

You can set times throughout the week (hours and minutes on the 24 hour clock) for day/night mode to be operational by filling in the Days “From To” Table as shown in the tab. There can only be one such time range set up per day.

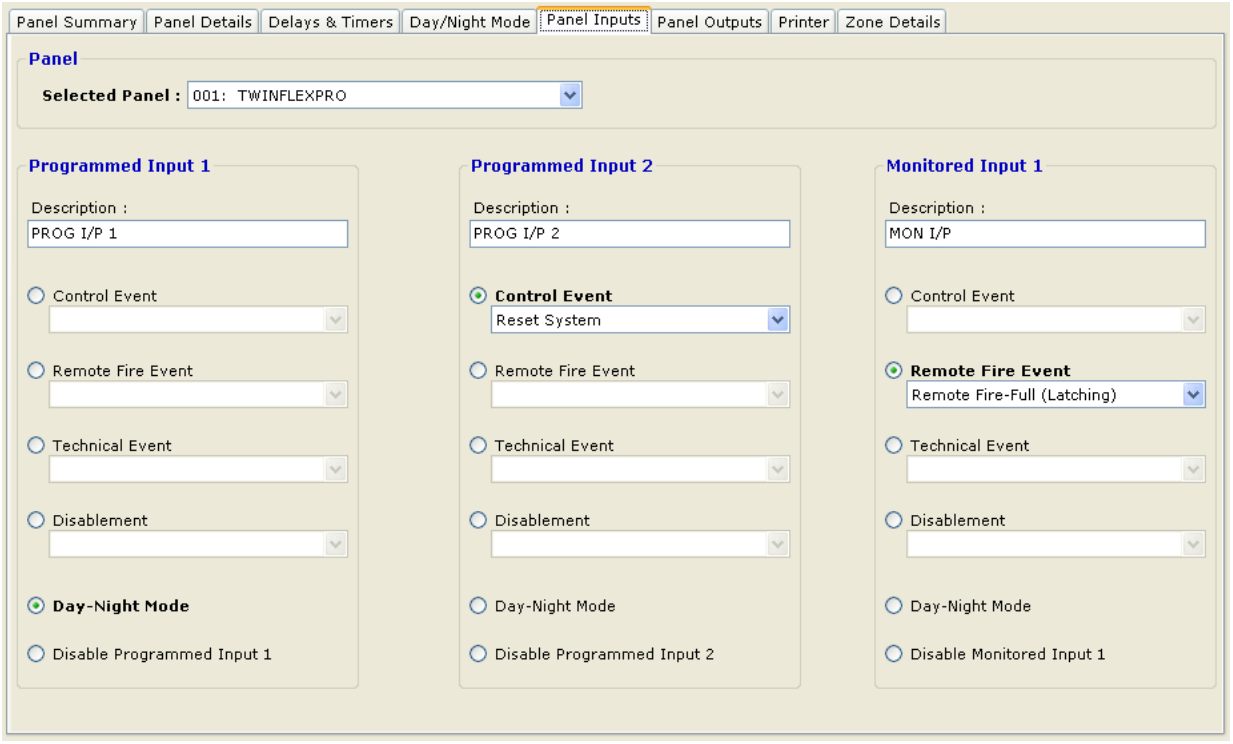
You can also specify (using the zone tick boxes) which zones are to be disabled during the selected times. This allows you to disable smoke detection in a zone during the day but not at night.

Panel Input Event

With this option, you can configure the system so that day / night mode will follow any panel inputs set to day/night mode.

Panel Inputs Tab

The Panel Inputs tab is shown below.

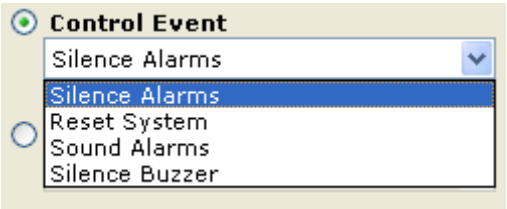


Up to 3 Panel Inputs can be configured on this tab.

A Panel Input can be configured as a Control Event, Remote Fire Event, a Technical Event, a Disablement, Day/Night timer input or left un-configured. Some actions can be latching or Non-latching.

Control Event

A Panel input can be configured as any of the types of Control Event as shown in the pull-down selection list below.



Remote Fire Event

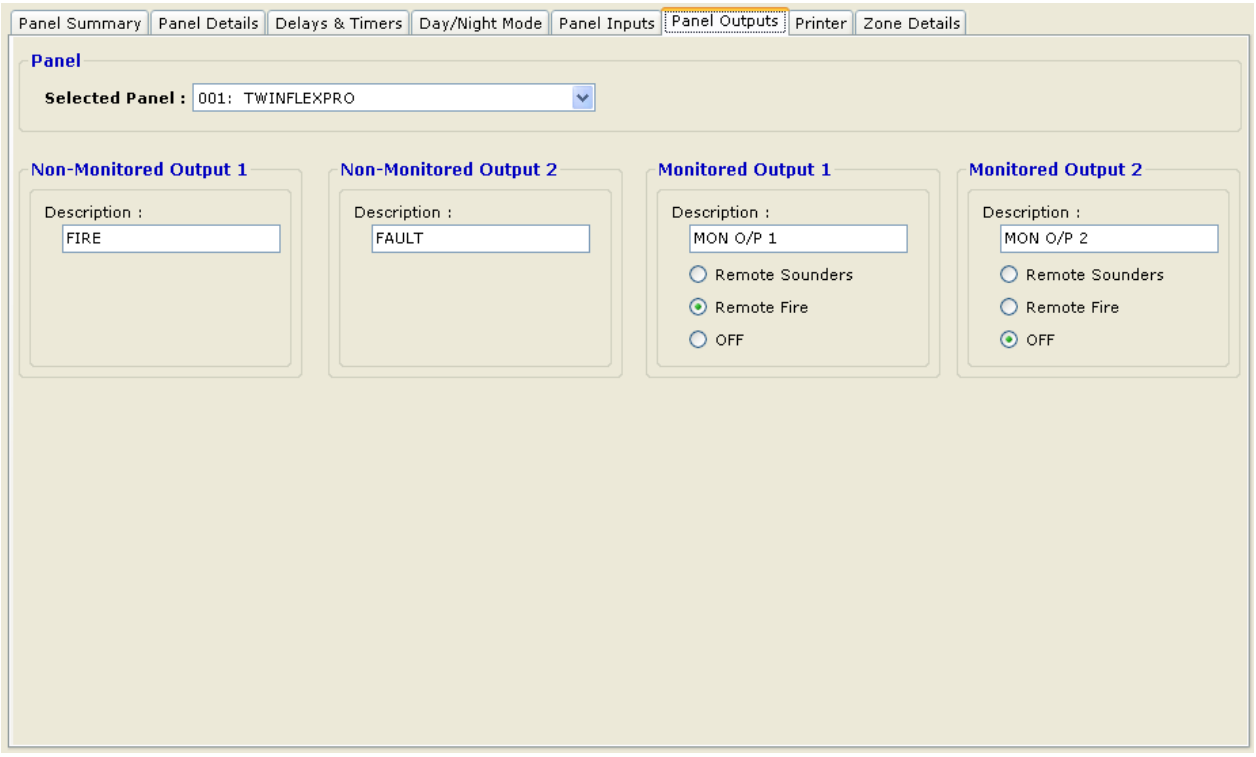
A Panel Input configured as a remote fire can be set to Remote Fire-Full (Latching), Remote Fire-Full (Non Latching), Remote Fire-No Relay (Latching) or Remote Fire-No Relay (Non Latching). These values may be changed using the pull-down selection lists.

Technical Event

A Panel Input configured as a Technical Event will sound the sounders. This can be configured to be latching or non-latching.

Panel Outputs Tab

The Panel Outputs tab is shown below.



Non-Monitored Outputs 1 & 2

On the TWINFLEX®pro panel there are two relay outputs (1 & 2). The configuration of these two outputs is fixed (Output 1 is common fire, Output 2 is common fault), however the description can be changed.

A Common Fire Output is activated by any Fire on the system.

A Common Fault Output is activated by any Fault on the system.

Monitored Outputs

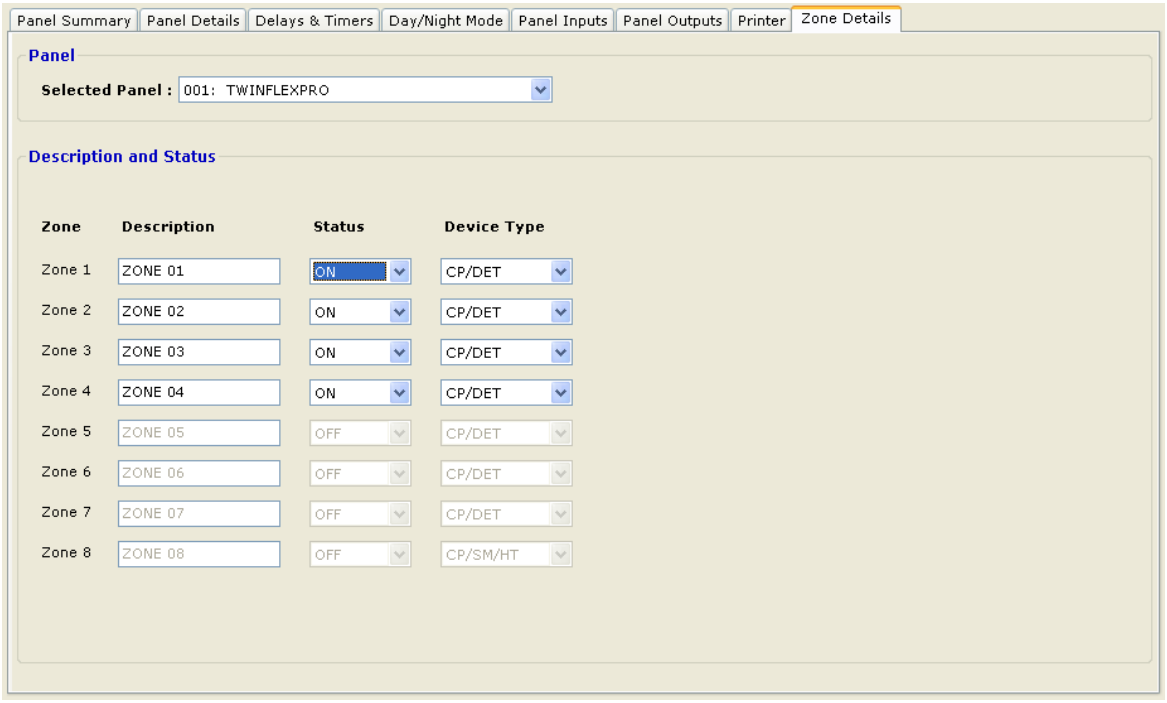
Two monitored outputs (numbered MO1 and MO2 may be configured so that they will be activated when certain conditions occur. Selection is made via radio buttons. Options are, remote sounders, remote fire & off (not configured).

Printer Tab

The printer tab is shown below.

This feature is for possible future use and is not currently available.

Zone Details Tab



This screen allows the zones to be turned on or turned off. If for example only 3 out of the 4 zones on a four zone panel are used, the unused zone can be turned off to prevent an EOL fault being reported. Any number of zones may be turned off and in any order.

Also on this screen are the device type boxes. At present only the CP/DET should be used, the CP/SM/HT position should not be used. This will only be available when a new detector is released in the future.

Event Log Report

The Event Log Report option allows the creation of text files from any event logs which have previously been uploaded from the panel. The files will be in the *.txt format.

This function is also repeated in the form of an on-screen button in the Left hand side toolbar.

A typical report is shown below.

TWINFLEXpro OSP SITE EVENT LOG

Report Date: 05-Aug-2011
Report Time: 02:57:22 PM

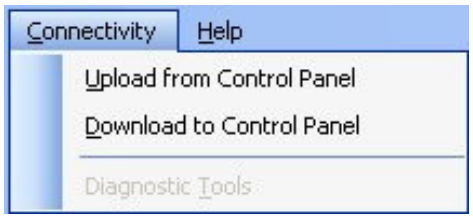
Site Name: Twinflex V1.10 OSP Test 04-08-11
Panel No: 1
Panel Name: TWINFLEXPRO

Event No	Date	Time	Event ID	Event Desc	Zone No
1	04-Aug-2011	09:45:44 AM	99	Exp. Card Missing!	0
2	04-Aug-2011	09:45:44 AM	86	Reset System	0
3	04-Aug-2011	09:45:53 AM	52	RELAY3 (MON O/P 1) - Open Circuit	0
4	04-Aug-2011	09:45:53 AM	56	RELAY4 (MON O/P 2) - Open Circuit	0
5	04-Aug-2011	09:45:53 AM	5A	Monitored Input - Open Circuit	0
6	04-Aug-2011	09:46:14 AM	83	Engineer Mode	0
7	04-Aug-2011	09:46:15 AM	88	Silence Buzzer	0
8	04-Aug-2011	09:49:01 AM	60	Write En Switch ON	0
9	04-Aug-2011	10:56:22 AM	83	Engineer Mode	0
10	04-Aug-2011	10:56:37 AM	4F	Battery - Lowest Voltage	0
11	04-Aug-2011	10:56:43 AM	88	Silence Buzzer	0
12	04-Aug-2011	10:57:29 AM	83	Engineer Mode	0
13	04-Aug-2011	10:59:45 AM	83	Engineer Mode	0
14	04-Aug-2011	10:59:48 AM	86	Reset System	0
15	04-Aug-2011	11:28:42 AM	60	Write En Switch ON	0
16	04-Aug-2011	11:28:55 AM	83	Engineer Mode	0
17	04-Aug-2011	11:37:16 AM	48	EARTH - FAULT	0
18	04-Aug-2011	11:37:26 AM	88	Silence Buzzer	0
19	04-Aug-2011	12:47:15 PM	83	Engineer Mode	0
20	04-Aug-2011	02:21:46 PM	48	EARTH - FAULT	0
21	04-Aug-2011	02:21:59 PM	83	Engineer Mode	0
22	04-Aug-2011	02:22:02 PM	88	Silence Buzzer	0
23	04-Aug-2011	02:22:48 PM	86	Reset System	0

The event log report may be printed utilising the Print Button at the bottom of the screen.

The event log report may be saved in the format ‘file_name’.txt by utilising the ‘Save As’ command in the File menu at the top of the screen. The file may be opened in Microsoft WordPad or imported into Microsoft Word. However, some fonts will cause the tabulation to alter when using Microsoft Word. The print function may be used directly from the ‘File’ menu, from within Word or WordPad.

Connectivity Menu



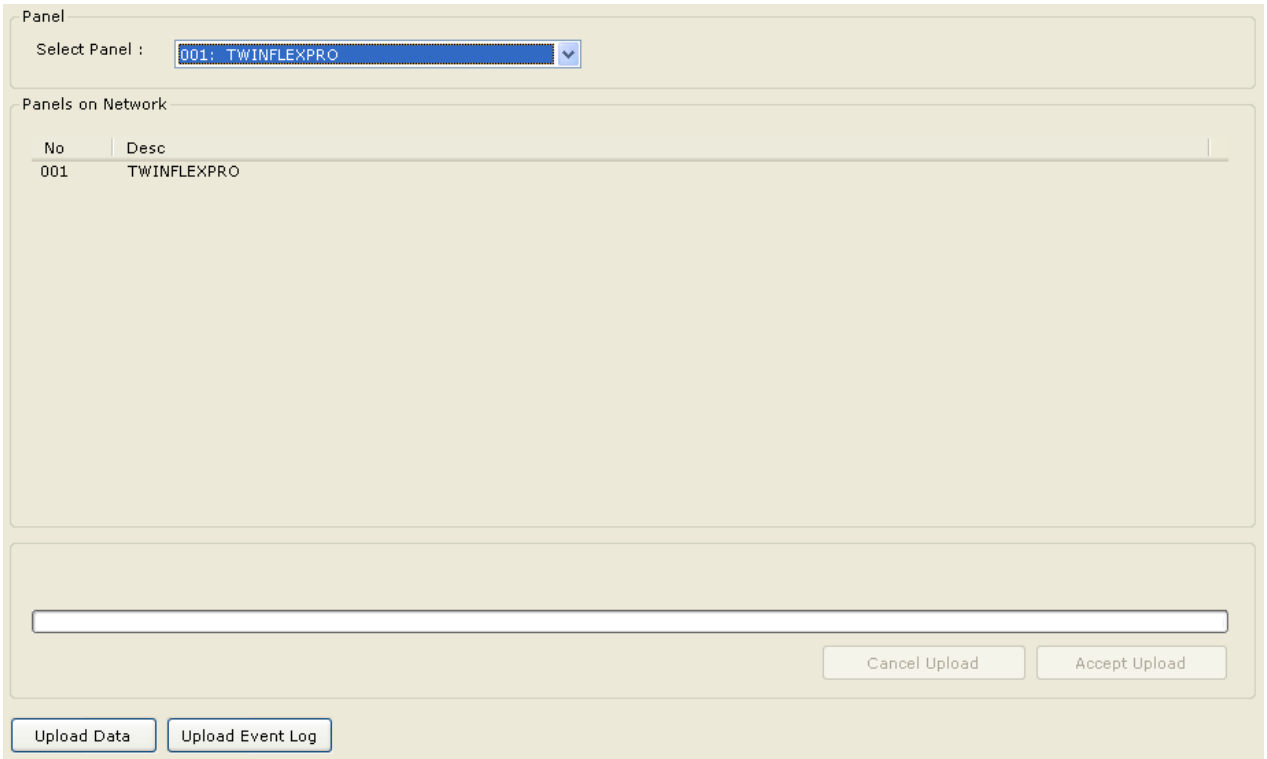
Upload Data from Panel

Note that before uploading panel data, a site data file (either newly created or an existing file) must have been opened on the PC.

Prior to an Upload of the configuration from the control panel to the PC, or a Download of the configuration from PC to the control panel, it is necessary for the panel to be in 'Access Level 3 (Engineer Mode)'. The panel must be connected to the PC via a USB lead.

Note that if the panel is left for a period of time, it will log itself out of Access Level 3 (Engineer Mode) so it is best to check that it is in Engineer mode before doing anything at the PC.

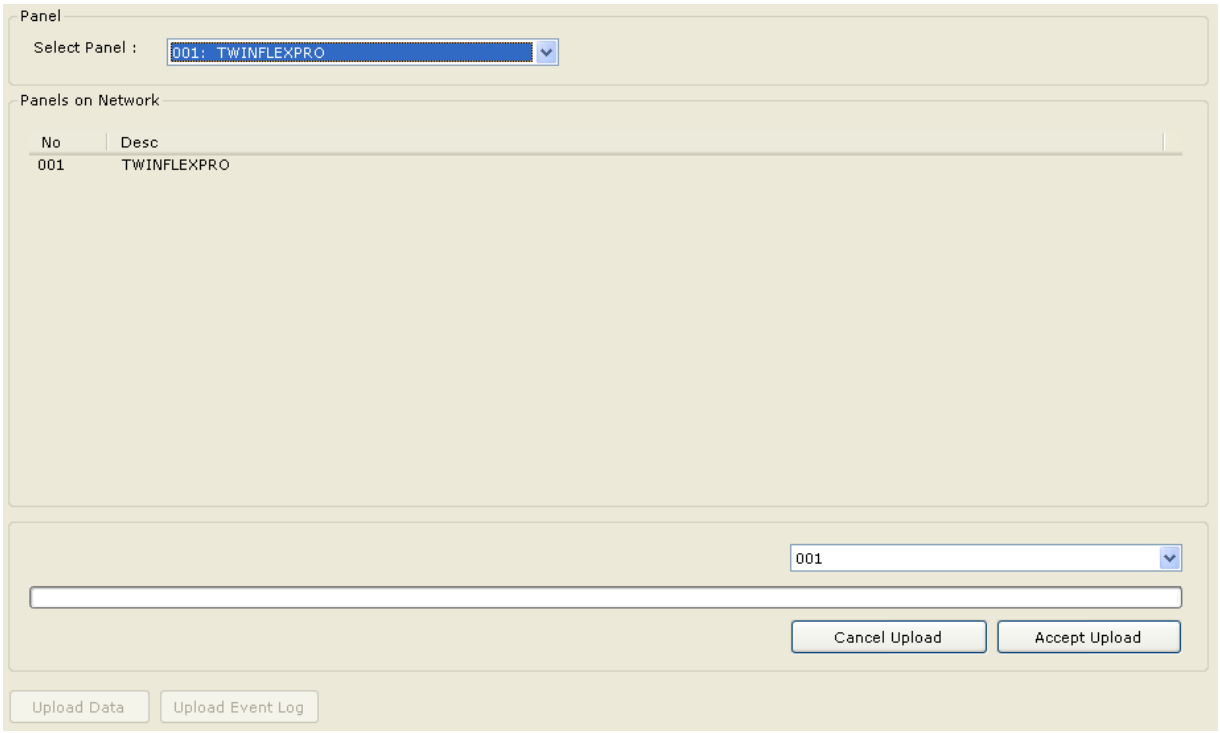
Upload from control panel can be accessed from the Connectivity drop down menu or the upload button which is found to the left of the main screen.



Upload Data

The Upload Data button allows you to upload data from the currently connected panel. A progress bar is shown while the data is uploading. If there is a problem, a warning will be given. If this happens, you should disconnect the USB and re-connect it before trying again. Also remember that the panel must be in Engineer Mode.

Note that you must select a panel in the PC configuration which will be given the uploaded data. When this has been selected you can press the Accept Upload button as shown in the example screen below.



Upload Event Log

It is possible to upload the event log from a panel. It is necessary for the panel to be in 'Access Level 3 (Engineer Mode)' and the panel must be connected to the PC via a USB lead.

You can save event logs with different dates and times from more than one panel on the PC.

Event logs can be viewed at a later date using the Event Log Report button on the left of the screen (or View Event Log Report from the menu bar at the top of the screen) and a hard copy made by pressing the Print button when viewing the event log.

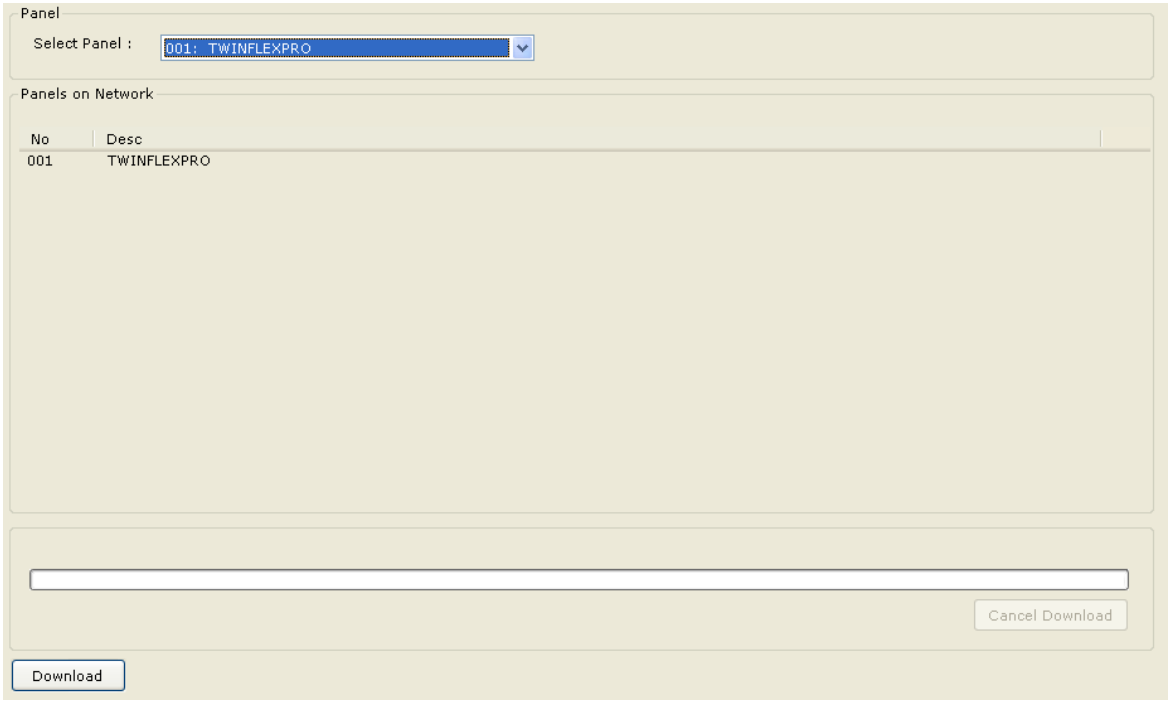
Download Data to Panel

Prior to a Download of configuration data from PC to the control panel, it is necessary for the panel to be in 'Access Level 3 (Engineer Mode)'. The panel must be connected to the PC via a USB lead.

Note that if the panel is left for a period of time, it will log itself out of Access Level 3 (Engineer Mode) so it is best to check that it is in Engineer mode before doing anything at the PC.

Download to control panel can be accessed from the Connectivity drop down menu or The download button which is found to the left of the main screen.

On pressing it, the following screen is obtained.



The Download button on this screen allows you to download configuration data from a selected panel in the PC configuration to the panel to which the PC is connected. A progress bar is shown while the data is downloading.

If there is a problem, a warning will be given. If this happens, you should disconnect the USB and re-connect it before trying again. Also remember that the panel must be in Engineer Mode.

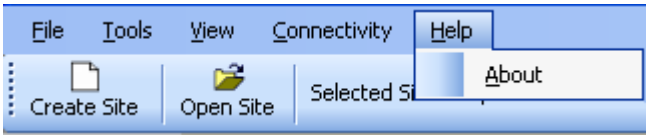
It is recommended that you do not use the Cancel Download button once downloading has begun.

Diagnostics Tools

This feature is for possible future use and is not currently available.

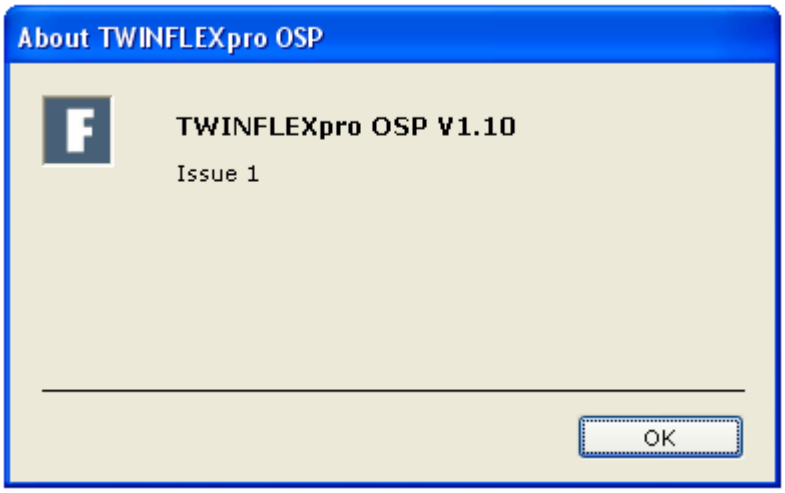
'Help' Menu

The Help Menu contains a single option which will display the current software version.



About Page

The About Page obtained from the Help menu gives details of the current software version of the OSP program. An example is shown below.



Technical Support

For further technical support please contact your distributor. Do not call the Fike Safety Technology technical support department unless your distributor has first given their advice and attempted to rectify the issue.

Technical support will not be available if the instruction manual has not been read and understood. Please have this instruction manual available whenever you call for technical support. Due to the complexity and inherent importance of a life risk type system, training on this equipment is essential, and commissioning should only be carried out by competent persons.

Your Notes