

Logiciel Sepam
Sepam software
SFT2841

Sepam系列智慧型保護電驛 設定軟體操作說明



Schneider
Electric

一、連線準備

1. 軟體安裝：請執行SFT2841解壓縮資料夾內的「Setup.exe」檔案，序號的部分請填「8888888-06」，開始安裝。
安裝完成後，畫面會跳出「要求註冊(產品只剩30天試用期)」的訊息視窗，請依畫面步驟註冊以便獲得啟用成正式版軟體。
2. 硬體連線：請依下列圖示，使用專用傳輸線連接好PC與Sepam。



二、單機連線

1. 確認PC與Sepam間的傳輸線已確實連接後，開啟Sepam的工作電源；於桌面雙擊SFT2841圖示，開啟連線軟體。

如連線成功，Sepam圖示會呈黑色，然後跳至如右圖所示的連線首頁。

通訊埠選擇(Win-Vista以上之作業系統會自動偵測)

如連線失敗，Sepam圖示會呈紅色，請檢查傳輸線連接是否確實，或通訊埠選擇是否正確。

單機連線

建立新的設定

語言選擇

Exit SFT2841 離開2841

2. 於首頁點選單機連線圖示(右圖箭號位置)，即可與Sepam連線並進入如下頁所示之SFT2841設定畫面。

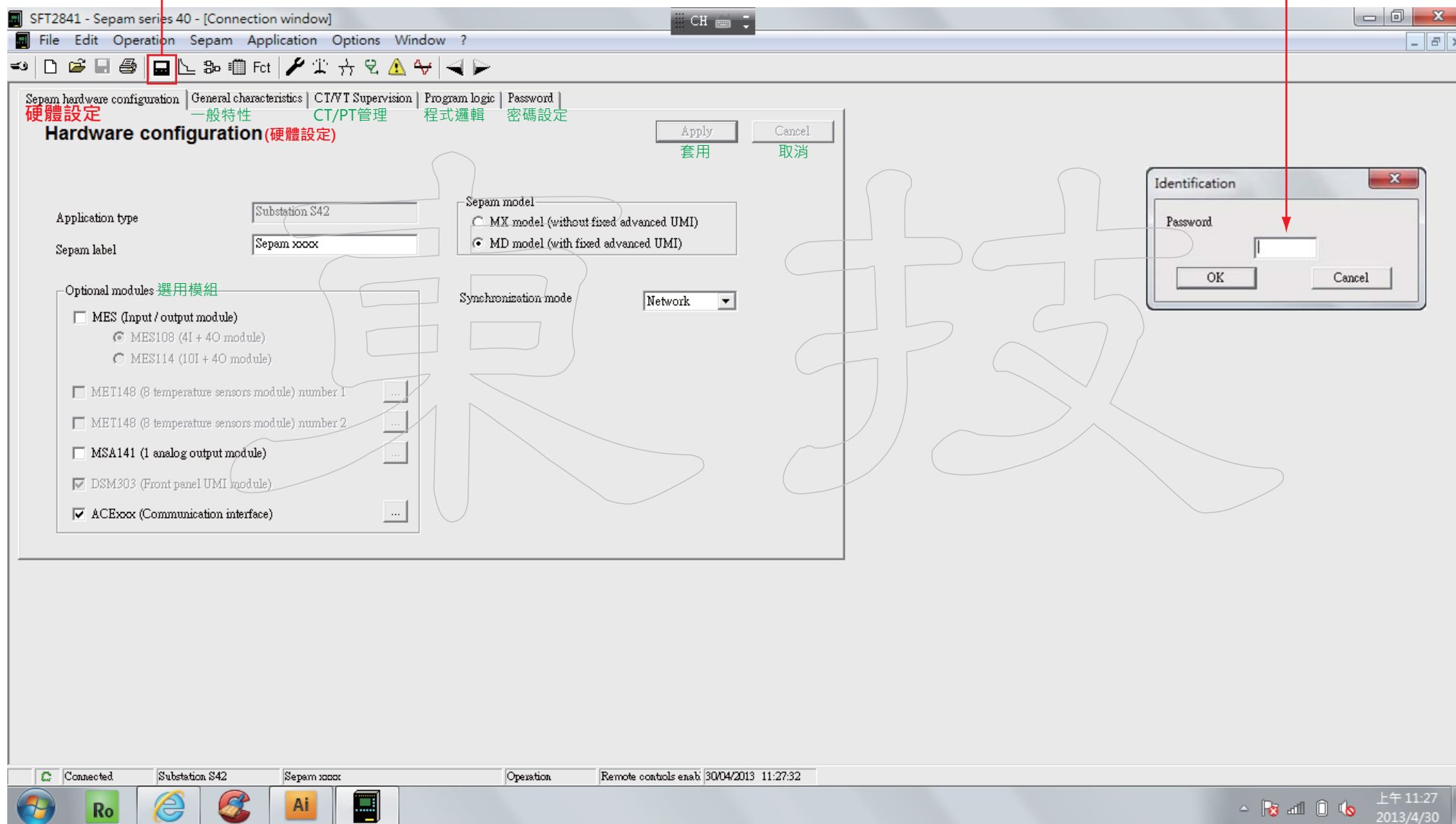
三、SFT2841設定畫面(目錄)

The screenshot shows the SFT2841 software interface for Sepam series 40. A table of contents is overlaid on the top-left of the window, listing various configuration sections with corresponding page numbers and red circular markers (A-E). The software window title is "SFT2841 - Sepam series 40 - [Connection window]". The menu bar includes "File", "Edit", "Operation", "Sepam", "Application", "Options", and "Window?". The toolbar contains icons for file operations and configuration. The main window displays the "Hardware configuration" tab, which includes fields for "Application type", "Sepam label", "Optional modules" (with checkboxes for MES, MET, MSA, DSM, and ACE), and "Synchronization mode" (set to "Network"). The status bar at the bottom shows "Connected", "Substation S42", "Sepam xxx", "Operation", "Remote controls enabled", and the date/time "30/04/2013 11:27:32".

A	一般設定...p.4
B	保護設定...p.9
C	量測資訊...p.21
D	警報訊息...p.24
E	故障波形紀錄...p.26
F	保護總覽...p.27
G	故障波形紀錄設定...p.40
H	Sepam狀態總覽...p.41
I	Sepam↔PC上傳與下載...p.44

四、SFT2841設定_A (一般設定_硬體設定)

A. 一般設定：用滑鼠點選圖示A，可進入Sepam一般設定，包含「硬體設定」、「一般特性」、「CT/PT管理」、「程式邏輯」以及「密碼設定」。套用變更設定時會跳出密碼輸入對話框，出廠密碼為：「0000」



SFT2841設定_A (一般設定_一般特性)

The screenshot displays the 'SFT2841 - Sepam series 40 - [Connection window]' application. The 'General characteristics (一般特性)' tab is selected, indicated by a red circle with the letter 'A'. The interface is divided into several sections:

- Network frequency:** Radio buttons for 50 Hz and 60 Hz (60 Hz is selected).
- Selection of active setting group:** A dropdown menu set to 'Setting group A'.
- Remote setting enabled:** Radio buttons for 'No' and 'Yes' (No is selected).
- Sepam working language:** Radio buttons for 'UK English (IEC)' and 'US English (ANSI)' (ANSI is selected).
- Main/feeder:** Radio buttons for 'IEC Main' and 'ANSI Main/Feeder - IEC Feeder' (ANSI Main/Feeder - IEC Feeder is selected).
- Current transformers:**
 - Rated secondary current: 5A CT
 - Number of CTs: Ia, Ib, Ic
 - Rated primary current (IN): 100 A
 - Base current (IB): 100 A
 - Demand Interval: 5 min
 - Residual current: 2 A rated CSH120/200
 - Rated residual current (INr): 2 A
- Voltage transformers:**
 - Rated primary voltage (VLLp): 23 kV
 - Rated secondary voltage (VLLs): 115 V
 - VT connection type: Van, Vbn, Vcn
 - Residual voltage measurement: sum of 3V
- Meter increment:**
 - Active energy: 0.1 kWh
 - Reactive energy: 0.1 kVar.h

Buttons for 'Apply' and 'Cancel' are located at the top right of the configuration area. The status bar at the bottom shows 'Connected', 'Substation S42', 'Sepam xxxc', 'Operation', and 'Remote controls enab | 02/05/2013 13:28:04'. The system tray includes icons for Windows, Ro, e, Ai, and the date/time: 下午 01:28 2013/5/2.

SFT2841設定_A (一般設定_CT/PT管理)

The screenshot displays the SFT2841 software interface for Sepam series 40. The window title is "SFT2841 - Sepam series 40 - [Connection window]". The menu bar includes File, Edit, Operation, Sepam, Application, Options, and Window. The toolbar contains various icons, with a red circle labeled 'A' highlighting the 'CT/PT Management' icon. The main window is titled "CT/VT supervision (CT/PT管理)" and is divided into two main sections: "Current transformer supervision, CTS" and "Voltage transformer supervision, VTS".

Current transformer supervision, CTS:

- On:
- CTS Time delay: 150 ms
- Behavior on 46/46BC/51N/32P/32Q:
 - No action
 - Block

Voltage transformer supervision, VTS:

- On:
- Use Inv, Vinv criterion:
 - No
 - Yes
- Time delay, Inv Vinv: 1 s
- Check loss of 3VLn/2VLL:
 - No
 - Yes
- Time delay, loss: 1 s
- Behavior on 27/27D/32P/32Q/47/59/59N/51V:
 - No action
 - Block
- Behavior on 67:
 - No directional
 - Block
- Behavior on 67N:
 - No directional
 - Block

The interface also includes buttons for "Open advanced parameters", "Apply", and "Cancel". The status bar at the bottom shows "Connected", "Substation S42", "Sepam xxx", "Operation", "Remote controls enabled", and the date/time "02/05/2013 13:28:33". The Windows taskbar at the bottom shows the system tray with the date and time "下午 01:28 2013/5/2".

SFT2841設定_A (一般設定_程式邏輯)

SFT2841 - Sepam series 40 - [Connection window]

File Edit Operation Sepam Application Options Window ?

Sepam hardware configuration | General characteristics | CT/VT Supervision | **Program logic** | Password
硬體設定 | 一般特性 | CT/PT管理 | **程式邏輯** | 密碼設定

Program logic (程式邏輯) 套用 Apply 取消 Cancel

Circuit breaker control

No Yes

Zone selective interlocking

No Yes

Relay output parameters

	Used	Characteristics	Pulse
O1	Yes	normally open	
O2	Yes	normally open	
O3	Yes	normally open	
O4	Yes	normally clos...	

Assignment of logic inputs

Logic Input	Negative	Latch.

Standard assignment

Connected Substation S42 Sepam xxxxx Operation Remote controls enab 02/05/2013 13:28:50

下午 01:28 2013/5/2

SFT2841設定_A (一般設定_密碼設定)

The screenshot shows the SFT2841 software interface for password configuration. The window title is "SFT2841 - Sepam series 40 - [Connection window]". The menu bar includes File, Edit, Operation, Sepam, Application, Options, and Window. The toolbar contains various icons for file operations and settings. The main content area is divided into tabs: Sepam hardware configuration (硬體設定), General characteristics (一般特性), CT/VT Supervision (CT/PT管理), Program logic (程式邏輯), and Password (密碼設定). The Password tab is active, showing an "Identification" section with a "Back to operation level" button. Below this are two sections: "Protection setting level - 保護設定用密碼" and "Parameter setting level - 一般設定用密碼", each with a "Modify the password which allow..." label and a password input field. A red circle labeled 'A' points to the toolbar. A red box highlights the "Back to operation level" button, with a red arrow pointing to a text box. A green box highlights the "Back to operation level" button, with a green arrow pointing to another text box. A large, faint watermark "技支" is visible in the background.

密碼保護：每次套用變更設定時，都會要球輸入密碼(出廠值: 0000)。

通關認證：輸入密碼(出廠值: 0000)後，在SFT2841內做任何設定的修改可直接套用，不需每次輸入密碼(一票到底)。

五、SFT2841設定_B (保護設定50/51)

用滑鼠點選圖示B，可進入Sepam保護設定。

B 套用變更設定時會跳出密碼輸入對話框，出廠密碼為：「0000」

50/51 : Phase overcurrent 過電流保護

可設定四組跳脫 On Latching
Element 1 是否Latching
Element 2
Element 3
Element 4

跳脫曲線 Tripping curve 電流門檻 Current threshold 延時 Delay

Group	Element	Curve	Threshold (A)	Delay (ms)
Group A (Active group)	1	Extremely inverse time	80	100
	2	Definite time	800	0
	3	Definite time	10	0
	4	Definite time	10	0
Group B	1	Definite time	10	0
	2	Definite time	10	0
	3	Definite time	10	0
	4	Definite time	10	0

跳脫接點與燈號安排

	O1	O2	O3	O4	L1	L2	L3	L4	L5	L6	L7	L8	L9	UK English	US English	Rec.
Element 1	X	X	X		X								X			X
Element 2	X	X	X			X							X			X
Element 3																X
Element 4																X

接點O1~O4 燈號L1~L9 跳脫顯示訊息 (如欲變更，請看p.X) 是否紀錄 (儲存之紀錄可於⚠查詢)

Identification
Password
OK Cancel

SFT2841設定_B (保護設定50N/51N)

50N/51N : Ground fault 接地過電流保護

可設定四組跳脫 On Latching

Element 1 是否Latching

Element 2

Element 3

Element 4

Group A (Active group)

Tripping curve	Current	Delay
1 Extremely inverse time	10 A	100 ms
2 Definite time	60 A	0 ms
3 Definite time	10 A	0 ms
4 Definite time	10 A	0 ms

Group B

1 Definite time	10 A	0 ms
2 Definite time	10 A	0 ms
3 Definite time	10 A	0 ms
4 Definite time	10 A	0 ms

Residual current type 接地電流量測方式

sum 3I

sum 3I

sum 3I

sum 3I

跳脫曲線 Tripping curve

電流門檻 Current

延時 Delay

跳脫接點與燈號安排

	O1	O2	O3	O4	L1	L2	L3	L4	L5	L6	L7	L8	L9	UK English	US English	Rec.
Element 1	X	X	X				X						X	EARTH FAULT	接地故障	X
Element 2	X	X	X					X					X	EARTH FAULT	接地故障	X
Element 3	X	X	X						X				X	EARTH FAULT	接地故障	X
Element 4	X	X	X							X			X	EARTH FAULT	接地故障	X

跳脫顯示訊息 (如欲變更, 請看p.X)

是否紀錄 (儲存之紀錄可於 ⚠ 查詢)

接點O1~O4

燈號L1~L9

下午 05:56 2013/5/2

SFT2841設定_B (保護設定50BF)

B

SFT2841 - Sepam series 40 - [Connection window]

File Edit Operation Sepam Application Options Window ?

50/51 | 50N/51N | **50BF** | 46 | 67 | 67N | 32P | 27/27S | 59 | 59N | 47 | 81 | 79

50BF : Breaker failure 斷路器故障保護

Apply 套用 Cancel 取消

Element 1 On 是否Latching Latching 電流門檻 Current threshold 200 A 延時 Delay 120 ms Use close position of circuit breaker

Tripping behavior 跳脫接點與燈號安排

	O1	O2	O3	O4	L1	L2	L3	L4	L5	L6	L7	L8	L9	UK English	US English	Rec.
Element 1														BREAKER FAILURE	斷路器(CB)故障	

接點O1~O4 燈號L1~L9 跳脫顯示訊息 是否紀錄 (儲存之紀錄可於查詢)

Connected | Substation S42 | Sepam xxx | Operation | Remote controls enable | 02/05/2013 17:57:17

下午 05:57 2013/5/2

SFT2841設定_B (保護設定46)

46 : Negative sequence current / unbalance
逆相序電流/不平衡保護

Apply 套用 Cancel 取消

On 是否Latching Latching 電流門檻 跳脫曲線 延時

Element 1 10 % of IB Definite time 100 ms

Element 2 10 % of IB Definite time 100 ms

Tripping behavior 跳脫接點與燈號安排

	O1	O2	O3	O4	L1	L2	L3	L4	L5	L6	L7	L8	L9	UK English	US English	Rec.
Element 1	■	■	■	■	■	■	■	■	■	■	■	■	■	UNBALANCE I	電流不平衡	X
Element 2	■	■	■	■	■	■	■	■	■	■	■	■	■	UNBALANCE I	電流不平衡	X

接點O1~O4 燈號L1~L9 跳脫顯示訊息 是否紀錄 (儲存之紀錄可於查詢)

Connected Substation S42 Sepam xxx Operation Remote controls enable: 02/05/2013 17:57:35

下午 05:57 2013/5/2

SFT2841設定_B (保護設定67)

67 : Directional overcurrent 方向性過電流保護

On Latching 是否Latching

Element 1 Element 2

Group A (active group)

Tripping curve	Is threshold	Delay	Angle
1: Extremely inverse time	30 A	100 ms	45?
2: Definite time	100 A	100 ms	45?

Group B

Tripping curve	Is threshold	Delay	Angle
1: Definite time	1.26 kA	100 ms	45?
2: Definite time	1.26 kA	100 ms	45?

Tripping behavior 跳脫接點與燈號安排

	O1	O2	O3	O4	L1	L2	L3	L4	L5	L6	L7	L8	L9	UK English	US English	Rec.
Element 1	X	X	X						X				X	DIR. PHASE FAULT	方向性過電流	
Element 2	X	X	X						X				X	DIR. PHASE FAULT	方向性過電流	

接點O1~O4 燈號L1~L9 跳脫顯示訊息 是否紀錄 (儲存之紀錄可於 ⚠️ 查詢)

Connected | Substation S42 | Sepam xxxxx | Operation | Remote controls enab | 02/05/2013 17:57:55

下午 05:57 2013/5/2

SFT2841設定_B (保護設定67N)

B

SFT2841 - Sepam series 40 - [Connection window]

File Edit Operation Sepam Application Options Window ?

50/51 | 50N/51N | 50BF | 46 | 67 | **67N** | 32P | 27/27S | 59 | 59N | 47 | 81 | 79

67N : Directional ground fault 方向性接地故障保護 Open advanced parameters Apply Cancel

On Latching 是否Latching Type Residual current type 接地電流量測方式 套用 取消

Element 1

Element 2

Group A (Active group)

1 Definite time A %VLLp ms

2 Definite time A %VLLp ms

Group B

1 Definite time A %VLLp ms

2 Definite time A %VLLp ms

跳脫曲線 Tripping curve Isr threshold Vsr Threshold Delay Angle

跳脫接點與燈號安排

	O1	O2	O3	O4	L1	L2	L3	L4	L5	L6	L7	L8	L9	UK English	US English	Rec.
Element 1	X	X	X						X				X	DIR. EARTH FAULT	方向性接地故障	X
Element 2	X	X	X						X				X	DIR. EARTH FAULT	方向性接地故障	X

接點O1~O4 燈號L1~L9 跳脫顯示訊息 是否紀錄 (儲存之紀錄可於 ⚠️ 查詢)

Connected | Substation S42 | Sepam xxxc | Operation | Remote controls enab | 02/05/2013 17:58:24

下午 05:58 2013/5/2

SFT2841設定_B (保護設定32P)

32P : Real overpower 過實功保護

Apply 套用 Cancel 取消

Element 1 On 是否Latching Latching 功率種類 Type Reverse power 功率門檻 Power threshold 1.1 MW 延時 Delay 100 ms

Tripping behavior 跳脫接點與燈號安排

	O1	O2	O3	O4	L1	L2	L3	L4	L5	L6	L7	L8	L9	UK English	US English	Rec.
Element 1	■	■	■	■	■	■	■	■	■	■	■	■	■	REVERSE P	32P Relay 動作	X

接點O1~O4 燈號L1~L9 跳脫顯示訊息 是否紀錄 (儲存之紀錄可於 ⚠ 查詢)

Connected Substation S42 Sepam xxx Operation Remote controls enabled 02/05/2013 18:00:08

下午 06:00 2013/5/2

SFT2841設定_B (保護設定27/27S)

27/27S : Undervoltage 低電壓保護

Apply 套用 Cancel 取消

On 是否Latching Latching 電壓型式 Voltage mode 電壓門檻 Voltage threshold 延時 Delay

Element 1 Phase-to-phase 80 %VLLp 2 s

Element 2 Phase-to-phase 10 %VLLp 100 ms

Tripping behavior 跳脫接點與燈號安排

	O1	O2	O3	O4	L1	L2	L3	L4	L5	L6	L7	L8	L9	UK English	US English	Rec.
Element 1	X	X	X							X	X	X	X	UNDERSVOLTAGE	低電壓電驛	X
Element 2	X	X	X							X	X	X	X	UNDERSVOLTAGE	低電壓電驛	X

接點O1~O4 燈號L1~L9 跳脫顯示訊息 是否紀錄 (儲存之紀錄可於 ⚠ 查詢)

Connected Substation S42 Sepam xxx Operation Remote controls enab 02/05/2013 18:00:27

下午 06:00
2013/5/2

SFT2841設定_B (保護設定59)

59 : Overvoltage 過電壓保護

Apply 套用 Cancel 取消

On 是否Latching Latching
 Element 1
 Element 2

電壓型式 Voltage mode 電壓門檻 Voltage threshold
 Element 1 Phase-to-phase 115 %VLLp
 Element 2 Phase-to-neutral 50 %VLnp

延時 Delay
 Element 1 2 s
 Element 2 50 ms

Tripping behavior 跳脫接點與燈號安排

	O1	O2	O3	O4	L1	L2	L3	L4	L5	L6	L7	L8	L9	UK English	US English	Rec.
Element 1	X	X	X							X			X	OVERVOLTAGE	過電壓雷驛	
Element 2	X	X	X							X			X	OVERVOLTAGE	過電壓雷驛	X

接點O1~O4 燈號L1~L9 跳脫顯示訊息 是否紀錄 (儲存之紀錄可於 ⚠ 查詢)

Connected Substation S42 Sepam xxxc Operation Remote controls enab 02/05/2013 18:00:45

下午 06:00
 2013/5/2

SFT2841設定_B (保護設定59n)

59N : Neutral voltage displacement 中性點電壓位移保護

Apply 套用 Cancel 取消

On 是否Latching Latching 電壓門檻 Voltage threshold 延時 Delay
 Element 1 30 %VLLp 500 ms
 Element 2 2 %VLLp 50 ms

Tripping behavior 跳脫接點與燈號安排

	O1	O2	O3	O4	L1	L2	L3	L4	L5	L6	L7	L8	L9	UK English	US English	Rec.
Element 1	X	X	X							X			X	Vo FAULT	零相電壓故障	X
Element 2	X	X	X											Vo FAULT	零相電壓故障	X

接點O1~O4 燈號L1~L9 跳脫顯示訊息 是否紀錄 (儲存之紀錄可於 ⚠️ 查詢)

Connected Substation S42 Sepam xxxxx Operation Remote controls enab 02/05/2013 18:01:16

下午 06:01 2013/5/2

SFT2841設定_B (保護設定47)

The screenshot shows the '47 : Negative sequence overvoltage' configuration window. A red circle with the letter 'B' is positioned above the window title bar. The window title is 'SFT2841 - Sepam series 40 - [Connection window]'. The menu bar includes 'File', 'Edit', 'Operation', 'Sepam', 'Application', 'Options', and 'Window'. The toolbar contains various icons for file operations and settings. The main area displays the following settings:

- Element 1:** On
- 是否Latching (Latching):**
- 電壓門檻 (Voltage threshold):** 10 %VLLs
- 延時 (Delay):** 100 ms

Below these settings is a table for 'Tripping behavior' (跳脫接點與燈號安排):

	O1	O2	O3	O4	L1	L2	L3	L4	L5	L6	L7	L8	L9	UK English	US English	Rec.
Element 1	■	■	■	■	■	■	■	■	■	■	■	■	■	UNBALANCE U	電壓不平衡	X

Annotations for the table:

- 接點O1~O4 (Circuit breakers O1-O4)
- 燈號L1~L9 (Indicator lights L1-L9)
- 跳脫顯示訊息 (Trip display message)
- 是否紀錄 (是否紀錄 (儲存之紀錄可於 [Warning Icon] 查詢)) (Whether to record (records stored can be queried via [Warning Icon]))

Buttons at the top right: 'Apply' (套用) and 'Cancel' (取消).

Bottom status bar: Connected, Substation S42, Sepam xxx, Operation, Remote controls enabled, 02/05/2013 18:01:37. System tray shows the time as 下午 06:01, 2013/5/2.

SFT2841設定_B (保護設定81)

81H : Overfrequency 過頻保護

On: Latching: 是否Latching

Frequency threshold: 63 Hz (Element 1), 60 Hz (Element 2) 頻率門檻

Delay: 100 ms (Element 1), 100 ms (Element 2) 延時

Tripping behavior:

	O1	O2	O3	O4	L1	L2	L3	L4	L5	L6	L7	L8	L9	UK English	US English	Rec.
Element 1	X	X	X							X			X	OVER FREQ.	過頻電驛	
Element 2														OVER FREQ.	過頻電驛	X

81L : Underfrequency 低頻保護

On: Latching:

Frequency threshold: 57 Hz (Element 1), 50 Hz (Element 2), 50 Hz (Element 3), 50 Hz (Element 4)

Delay: 100 ms (Element 1), 100 ms (Element 2), 100 ms (Element 3), 100 ms (Element 4)

Tripping behavior: 跳脫接點與燈號安排

	O1	O2	O3	O4	L1	L2	L3	L4	L5	L6	L7	L8	L9	UK English	US English	Rec.
Element 1	X	X	X							X			X	UNDER FREQ.	低頻電驛	
Element 2														UNDER FREQ.	低頻電驛	X
Element 3														UNDER FREQ.	低頻電驛	X
Element 4														UNDER FREQ.	低頻電驛	X

跳脫顯示訊息 (儲存之紀錄可於 ⚠️ 查詢)

跳點O1~O4 燈號L1~L9 跳脫顯示訊息 是否紀錄 (儲存之紀錄可於 ⚠️ 查詢)

六、SFT2841設定_C (量測資訊_V、I、F)

用滑鼠點選圖示C，可進入Sepam量測資訊閱讀各項量測參數。

The screenshot displays the 'V I f measurements' window in the SFT2841 software. A red circle labeled 'C' points to the 'V I f' tab in the top-left corner. The window is divided into three main sections: Currents (電流), Voltages (電壓), and Frequency (頻率).

Currents (電流) Section:

	Phase a	Phase b	Phase c
RMS values (RMS值)	0 A	0 A	0 A
Average values (平均值)	0 A	0 A	0 A
Maximum values (最大值)	20.4 A	20.4 A	20.4 A
Residual current (Input Ir) (殘餘電流 (Ir輸入))	0 A		
Residual current (Sum 3I) (殘餘電流 (三相合成))			0 A

Voltages (電壓) Section:

	Phase a	Phase b	Phase c
Phase-to-neutral voltages (相電壓)	0	0	0
Phase-to-phase voltages (線電壓)	Vab: 0	Vbc: 0	Vca: 0
Residual voltage (殘餘電壓)	0		
Positive sequence voltage (正相序電壓)	0		
Negative sequence voltage (逆相序電壓)	0		

Frequency (頻率) Section:

Frequency	***** Hz
-----------	----------

Additional Features:

- Reset (Reset最大值與平均值):** A button to reset average and maximum values.
- Voltage units (電壓單位選擇):** Radio buttons for V (selected) and kV.

The bottom status bar shows: Connected | Substation S42 | Sepam xxxxx | Operation | Remote controls enab | 02/05/2013 18:06:02. The system tray on the right shows the date and time: 下午 06:06, 2013/5/2.

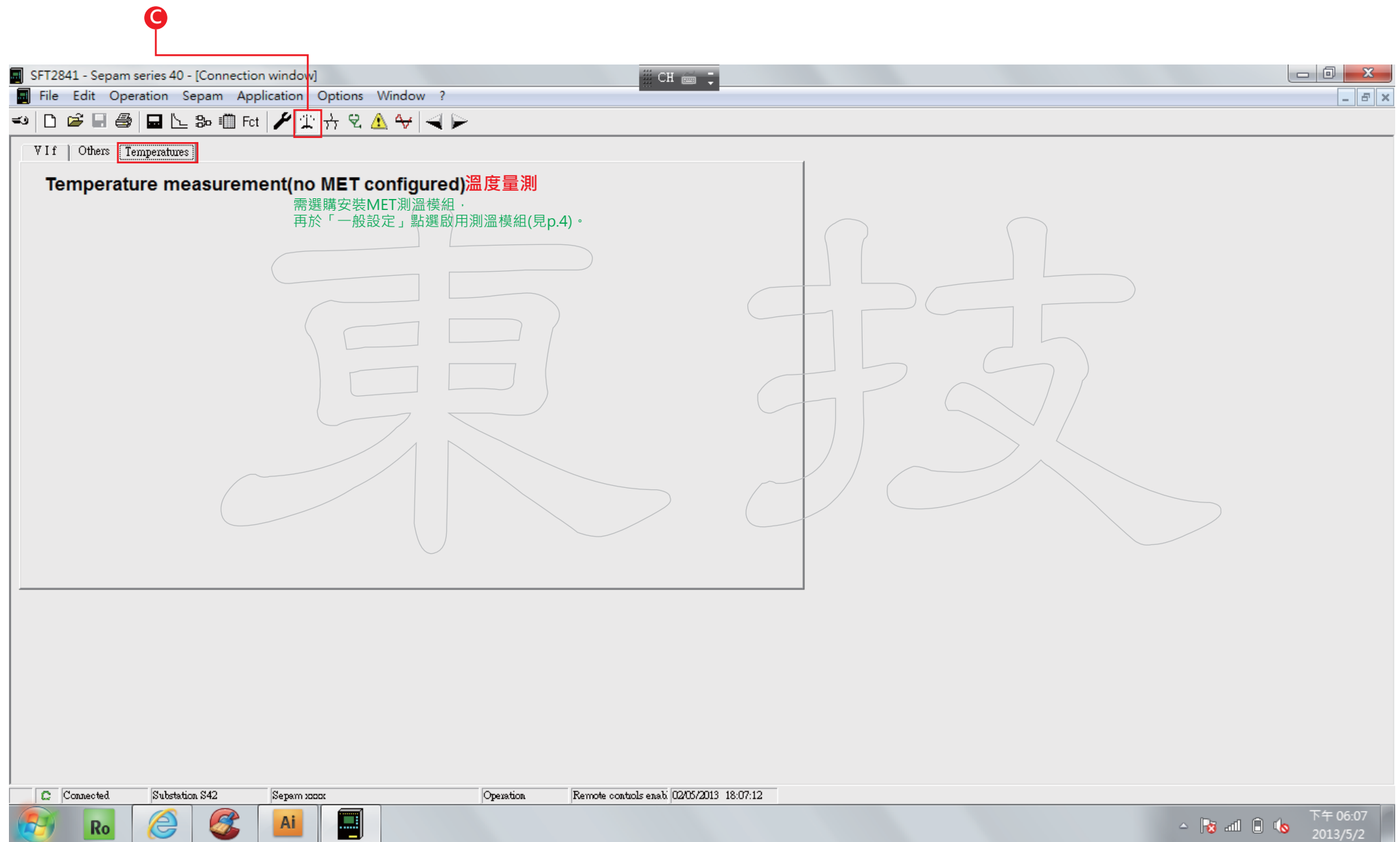
SFT2841設定_C (量測資訊_Power、Energy)

The screenshot displays the SFT2841 software interface for a Sepam series 40 device. The window title is "SFT2841 - Sepam series 40 - [Connection window]". The menu bar includes "File", "Edit", "Operation", "Sepam", "Application", "Options", and "Window?". The toolbar contains various icons for file operations and device control. The main content area is divided into several sections:

- Others** (highlighted with a red box and a red circle 'C' above it):
 - Other meterings 其他參數量測(功率、電力)**
 - Powers 功率(P、Q、S、PF)**
 - Active power: 0.0 kW
 - Reactive power: 0.0 kVar
 - Apparent power: 0.0 kVA
 - Power factor: *****
 - Maximum value of power 功率最大值(P、Q)**
 - Maximum value of active power: 775.9 kW
 - Maximum value of reactive power: 0.0 kVar
 - Reset of maximum powers 最大值Reset (button)
 - Energies 電力(Wh、Varh)**
 - Active energy+: 0.0 MWh
 - Active energy-: 0.0 MWh
 - Reactive energy+: 0.0 MVArh
 - Reactive energy-: 0.0 MVArh
 - External energies**
 - External active energy+: 0.0 MWh
 - External active energy-: 0.0 MWh
 - External reactive energy+: 0.0 MVArh
 - External reactive energy-: 0.0 MVArh

The status bar at the bottom shows: "Connected", "Substation S42", "Sepam xxx", "Operation", "Remote controls enabled", "02/05/2013 18:06:38". The Windows taskbar at the very bottom shows the date and time: "下午 06:06 2013/5/2".

SFT2841設定_C (量測資訊_Temperature)



七、SFT2841設定_D (警報訊息)

用滑鼠點選圖示D，可進入Sepam警報訊息閱讀各項警報紀錄。

Alarms 警報訊息

Indicators 本體面板指示燈

I>51	I>51	Io>51N	Io>>51N	Ext	O off	I on	Trip		
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
Fault	L1	L2	L3	L4	L5	L6	L7	L8	L9

Date	Time	Element	Group	Message	Information
07/05/13	13:06:41.128	Element 1	group A	方向性接地故障	
07/05/13	13:06:40.707	Element 1		電流不平衡	

顯示警報訊息

Clear可清除所選警報訊息之主機面板顯示(但不會Reset接點)
請以滑鼠選取要清除顯示的Message，按Clear後所選訊息最左欄之紅色會消失，
表示Sepam的面板已不再顯示該警報訊息。
(但是跳脫燈號與接點不會復歸，要復歸燈號與接點請按Reset)

Reset燈號與接點，且清除所有訊息

Connected | Substation S42 | Sepam xxx | Operation | Remote controls enab | 07/05/2013 13:07:04

下午 01:07
2013/5/7

SFT2841設定_D (警報歷史紀錄)

Alarm messages Alarm message history

Alarm message history 警報歷史紀錄

Indicators

	I>51	I>51	Io>51N	Io>>51N	Ext		O off	I on	Trip
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fault	L1	L2	L3	L4	L5	L6	L7	L8	L9

Date	Time	Element	Group	Message	Information
29/04/13	17:13:59.804	Element 1	group A	方向性接地故障	
01/01/01	00:14:10.307	Element 1	group A	方向性接地故障	
01/01/01	00:10:29.666	Element 1	group A	方向性接地故障	
01/01/01	00:08:27.677	Element 1		低電壓電騾	
01/01/01	00:03:49.349	Element 1		低電壓電騾	
01/01/01	00:03:47.627	Element 1		零相電壓故障	
01/01/01	00:00:56.519	Element 1	group A	接地故障	
01/01/01	00:00:56.505	Element 2	group A	接地故障	
01/01/01	00:00:03.123	Element 1		低電壓電騾	
01/01/01	00:01:19.504	Element 1		低電壓電騾	
01/01/01	00:01:14.810	Element 1		低電壓電騾	

可紀錄100筆警報訊息，超過100筆則會從最舊的一筆開始自動覆蓋；此歷史紀錄無法清除。

Connected Substation S42 Sepam xxxc Operation Remote controls enab 02/05/2013 18:08:32

Ro Ai

下午 06:03 2013/5/2

八、SFT2841設定_E (故障波形紀錄)

用滑鼠點選圖示E，可進入Sepam故障波形紀錄；須再安裝**SFT2826**才能閱讀此處紀錄之波形。

Fault recording 故障波形紀錄

Retrieve fault records 取出故障波形紀錄

Dates of available records
可選擇之紀錄

01/01/01	00:00:55:905
01/01/01	00:03:47:027
01/01/01	00:03:48:749
01/01/01	00:08:27:077
01/01/01	00:10:28:983
01/01/01	00:13:44:996
01/01/01	00:14:09:622
29/04/13	17:13:59:120
29/04/13	17:14:06:525

Select a record and click here to retrieve it.

選擇一筆紀錄，然後按此圖示將該紀錄取出
(按後會另存新檔，請選擇一個地方儲存，以方便之後用SFT2826去讀取)

Fault recording trigger

Activity Off On

New recording

Start record viewer

Connected | Substation S42 | Sepam xxxc | Operation | Remote controls enab | 02/05/2013 18:08:54

下午 06:03
2013/5/2

九、SFT2841設定_F (保護總覽_保護_保護規劃)

用滑鼠點選圖示F，可進入Sepam保護總覽；此處可一覽以及更改各項保護規劃與接點安排。此處所做的

修改會與「設定_B(保護設定)」連動，套用變更設定時會跳出密碼輸入對話框，出廠密碼為：「0000」

The screenshot displays the 'SFT2841 - Sepam series 40' software interface. The main window shows the 'Protection Planning' (保護規劃) tab, which includes a table of protection functions. The table has columns for 'On' and 'Latching'. A red circle labeled 'F' highlights the 'Fct' icon in the toolbar. An 'Identification' dialog box is open, prompting for a password. A red arrow points from the text above to the password input field.

Characteristics	On	Latching
50/51 - 1		X
50/51 - 2		X
50/51 - 3		X
50/51 - 4		X
50N/51N - 1		X
50N/51N - 2		X
50N/51N - 3		
50N/51N - 4		
50BF		
46 - 1	X	X
46 - 2		X
67 - 1	X	X
67 - 2	X	X
67N - 1	X	X
67N - 2	X	X
32P		X
27/27S - 1		
27/27S - 2		

SFT2841設定_F (保護總覽_保護_接點安排)

The screenshot shows the SFT2841 software interface for Sepam series 40. The window title is "SFT2841 - Sepam series 40 - [Connection window]". The menu bar includes File, Edit, Operation, Sepam, Application, Options, and Window. The toolbar contains various icons, with a red circle labeled 'F' highlighting the 'Fct' button. The main area is divided into several tabs: "保護" (Protections), "接點安排" (Terminal arrangement), "警報訊息內容規劃" (Alarm message content planning), "Characteristics", "Outputs", "Indicators", and "Events". The "保護" tab is active, showing a list of protection functions and their connections to outputs O1, O2, O3, and O4. The connections are indicated by 'X' marks in a grid. A large watermark "技支" is overlaid on the right side of the screen.

Protection Function	O1	O2	O3	O4
50/51 - 1	X	X	X	
50/51 - 2	X	X	X	
50/51 - 3				
50/51 - 4				
50N/51N - 1	X	X	X	
50N/51N - 2	X	X	X	
50N/51N - 3				
50N/51N - 4				
50BF				
46 - 1				
46 - 2				
67 - 1	X	X	X	
67 - 2	X	X	X	
67N - 1	X	X	X	
67N - 2	X	X	X	
32P				
27/27S - 1	X	X	X	
27/27S - 2	X	X	X	

At the bottom of the window, there is a status bar with the following information: Connected, Substation S42, Sepam xxx, Operation, Remote controls enabled, 06/05/2013 08:59:53. The Windows taskbar at the very bottom shows the system clock as 上午 08:59 2013/5/6.

SFT2841設定_F (保護總覽_保護_指示燈規劃)

The screenshot shows the SFT2841 software interface for Sepam series 40. The 'Fct' button in the toolbar is highlighted with a red circle and the letter 'F'. The main window displays the 'Protection' configuration screen, which includes a table of protection functions and their indicator lamp configurations.

Protection Function	Led 1	Led 2	Led 3	Led 4	Led 5	Led 6	Led 7	Led 8	Led 9
50/51 - 1	X								X
50/51 - 2		X							X
50/51 - 3									
50/51 - 4									
50N/51N - 1			X						X
50N/51N - 2				X					X
50N/51N - 3									
50N/51N - 4									
50BF									
46 - 1									
46 - 2									
67 - 1					X				X
67 - 2					X				X
67N - 1					X				X
67N - 2					X				X
32P									
27/27S - 1						X			X
27/27S - 2						X			X

The interface also includes a sidebar with 'Control functions', 'Logic inputs', and 'Equations' sections, and a status bar at the bottom showing 'Connected', 'Substation S42', 'Sepam xxx', 'Operation', and 'Remote controls enabled'.

SFT2841設定_F (保護總覽_保護_警報訊息內容規劃)

F

保護
 Protections
 控制功能
 Control functions
 邏輯輸入
 Logic inputs
 方程式
 Equations

接點安排 警報訊息內容規劃
 Outputs Indicators Events

保護規劃 指示燈規劃 是否紀錄

	UK message	US message	Rec.
50/51 - 1	PHASE FAULT	相間故障	
50/51 - 2	PHASE FAULT	相間故障	
50/51 - 3	PHASE FAULT	相間故障	X
50/51 - 4	PHASE FAULT	相間故障	X
50N/51N - 1	EARTH FAULT	接地故障	X
50N/51N - 2	EARTH FAULT	接地故障	X
50N/51N - 3	EARTH FAULT	接地故障	X
50N/51N - 4	EARTH FAULT	接地故障	X
50BF	BREAKER FAILURE	斷路器(C.B)故障	
46 - 1	UNBALANCE I	電流不平衡	X
46 - 2	UNBALANCE I	電流不平衡	X
67 - 1	DIR. PHASE FAULT	方向性過電流	
67 - 2	DIR. PHASE FAULT	方向性過電流	
67N - 1	DIR. EARTH FAULT	方向性接地故障	X
67N - 2	DIR. EARTH FAULT	方向性接地故障	X
32P	REVERSE P	B2P Relay 動作	X
27/27S - 1	UNDERVOLTAGE	低電壓電驛	X
27/27S - 2	UNDERVOLTAGE	低電壓電驛	X

Matrix line : 50/51 - 1 (1) 所選警報項目

Associated message
 Message 是否顯示訊息
 No message

UK English: PHASE FAULT
 Local: 相間故障

Defined messages 預設訊息

No.	UK English	Local
1	PHASE FAULT	相間故障
2	EARTH FAULT	接地故障
3	THERMAL ALARM	49RMS 警報
4	THERMAL TRIP	49RMS 跳脫
5	UNBALANCE I	電流不平衡
6	ROTOR BLOCKIN	轉子鎖住
7	LONG START	啟動過久
8	START INHIBIT	禁止啟動
9	UNDER CURRENT	低電流電驛
10	OVERVOLTAGE	過電壓電驛
11	UNDERVOLTAGE	低電壓電驛
12	UNDERVOLT. PS	正相序欠電壓

User messages 使用者自訂訊息

No.	UK English	Local
100	Watch dog	???

指派 Assign

OK 套用
 Cancel 取消

建立 Create messages
 修改 Modify
 刪除 Delete messages

如欲指派新訊息，請點選該訊息之代號欄位(No.XXX)才能選擇該訊息

Apply 套用
 Cancel 取消

Connected Substation S42 Sepam xxxr Operation Remote controls enabled 08/05/2013 10:12:12

上午 10:13
 2013/5/8

SFT2841設定_F (保護總覽_控制功能_接點安排)

The screenshot shows the SFT2841 software interface for Sepam series 40. The window title is "SFT2841 - Sepam series 40 - [Connection window]". The menu bar includes File, Edit, Operation, Sepam, Application, Options, and Window. The toolbar contains various icons, with the "Fct" icon highlighted by a red circle and labeled with a red "F".

The main window is divided into several sections:

- Left Panel:** Contains buttons for "保護" (Protections), "控制功能" (Control functions), "邏輯輸入" (Logic inputs), and "方程式" (Equations). Below these are "Apply" (套用) and "Cancel" (取消) buttons.
- Top Tabs:** "Characteristics", "Outputs", "Indicators", and "Events".
- Table:** A table titled "接點安排" (Contact Arrangement) with columns O1, O2, O3, O4 and rows for various protection functions. The "Watchdog" row has an 'X' in the O4 column.
- Right Panel:** A large area with a faint watermark of the Chinese characters "東支" (Dongzhi).

The status bar at the bottom shows "Connected", "Substation S42", "Sepam xxx", "Operation", and "Remote controls enabled 08/05/2013 09:27:37". The system tray on the right shows the date "2013年5月8日 星期三" and time "上午 09:27 2013/5/8".

	O1	O2	O3	O4
Pick-up				
Drop-Out				
Phase reversal				
Fault recording blocked				
Watchdog				X

SFT2841設定_F (保護總覽_控制功能_指示燈規劃)

The screenshot shows the SFT2841 software interface for Sepam series 40. The 'Control functions' (控制功能) tab is active, and the 'Indicator planning' (指示燈規劃) table is visible. A red circle with the letter 'F' points to the 'Fct' button in the toolbar.

	Led 1	Led 2	Led 3	Led 4	Led 5	Led 6	Led 7	Led 8	Led 9
Pick-up									
Drop-Out									
Phase reversal									
Fault recording blocked									
Watchdog									

At the bottom of the window, the status bar shows: Connected, Substation S42, Sepam xxx, Operation, Remote controls enabled, 08/05/2013 09:28:00. The system tray shows the date 2013年5月8日 星期三 and time 上午 09:28 2013/5/8.

SFT2841設定_F (保護總覽_控制功能_警報訊息內容規劃)

保護
Protections

控制功能
Control functions

邏輯輸入
Logic inputs

方程式
Equations

Apply 套用

Cancel 取消

接點安排
Outputs

指示燈規劃
Indicators

警報訊息內容規劃
Events

是否紀錄
Rec.

	UK message	US message	Rec.
Pick-up			X
Drop-Out			
Phase reversal			
Fault recording blocked			
Watchdog			

Matrix line: Pick-up 所選警報項目

Associated message

Message
是否顯示訊息

No message

Defined messages 預設訊息

No.	UK English	Local
1	PHASE FAULT	相間故障
2	EARTH FAULT	接地故障
3	THERMAL ALARM	49RMS 警報
4	THERMAL TRIP	49RMS 跳脫
5	UNBALANCE I	電流不平衡
6	ROTOR BLOKIN	轉子鎖住
7	LONG START	啟動過久
8	START INHIBIT	禁止啟動
9	UNDER CURRENT	低電流電驛
10	OVERVOLTAGE	過電壓電驛
11	UNDERVOLTAGE	低電壓電驛
12	UNDERVOLT. PS	正相序欠電壓

User messages 使用者自訂訊息

No.	UK English	Local

Assign 指派

OK 套用

Cancel 取消

Create messages 建立

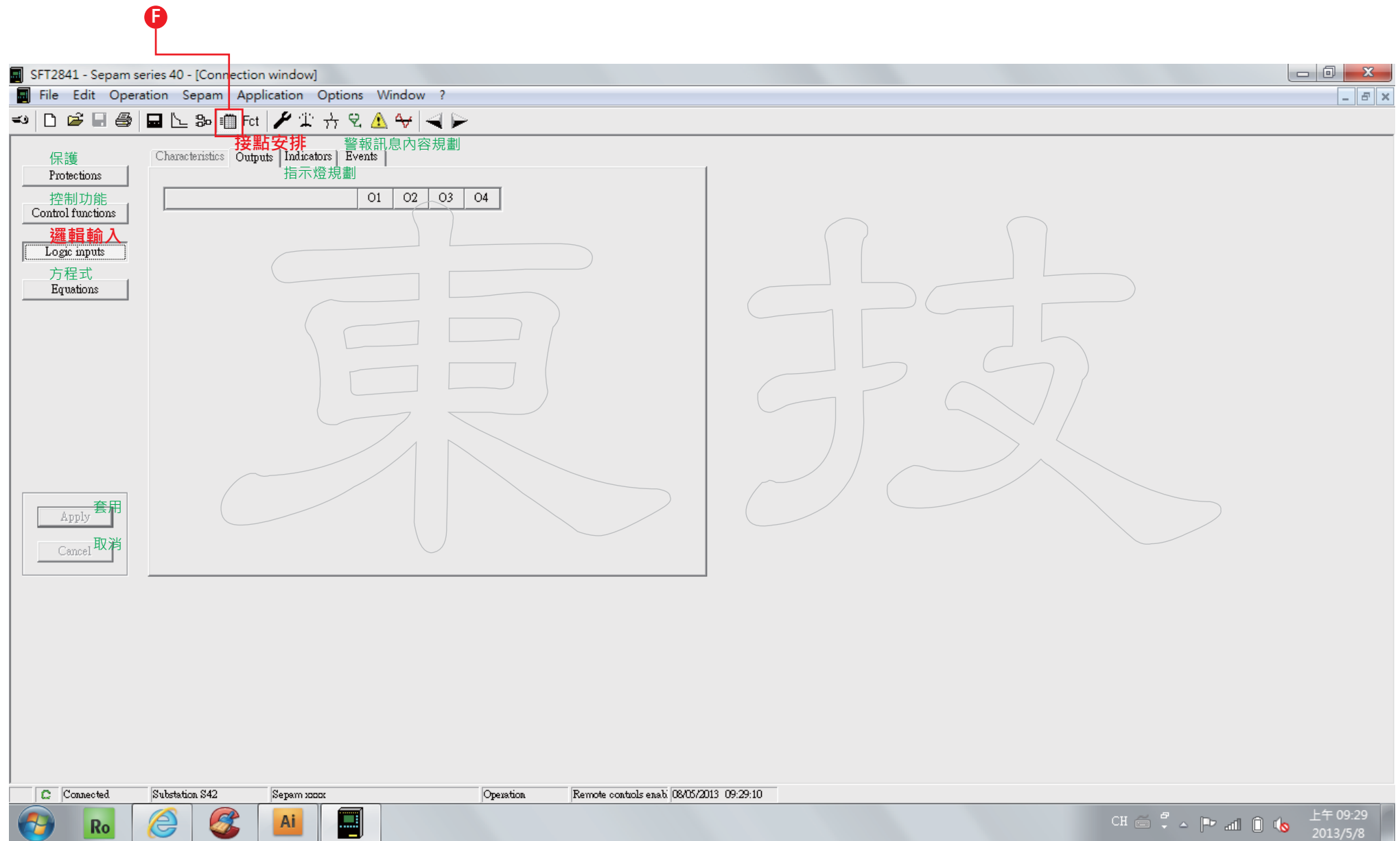
Modify 修改

Delete messages 刪除

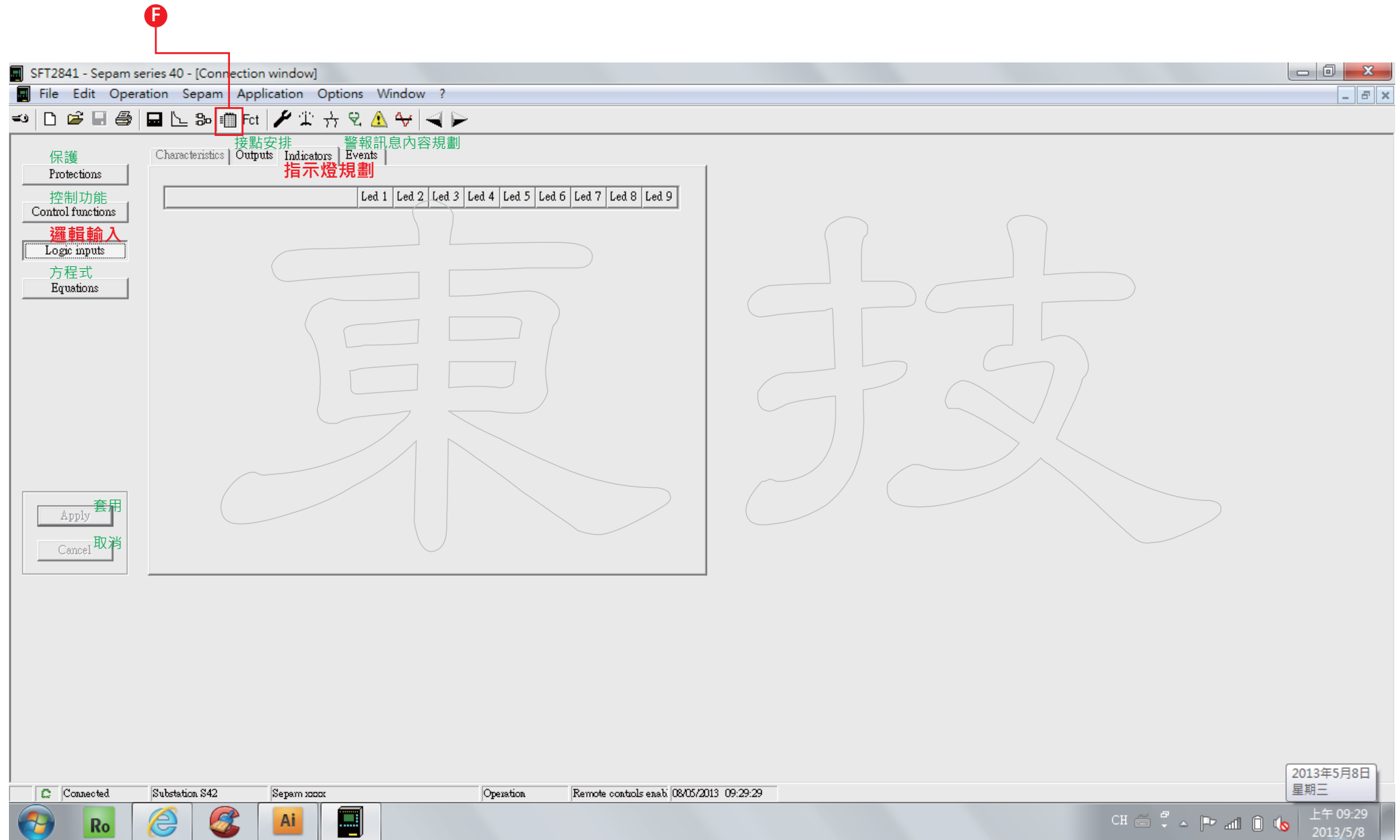
雙擊點選訊息欄位，會跳出如下視窗，可修改訊息內容；按下「指派」後可將新訊息指派給所選警報項目。

如欲指派新訊息，請點選該訊息之代號欄位(No.XXX)才能選擇該訊息

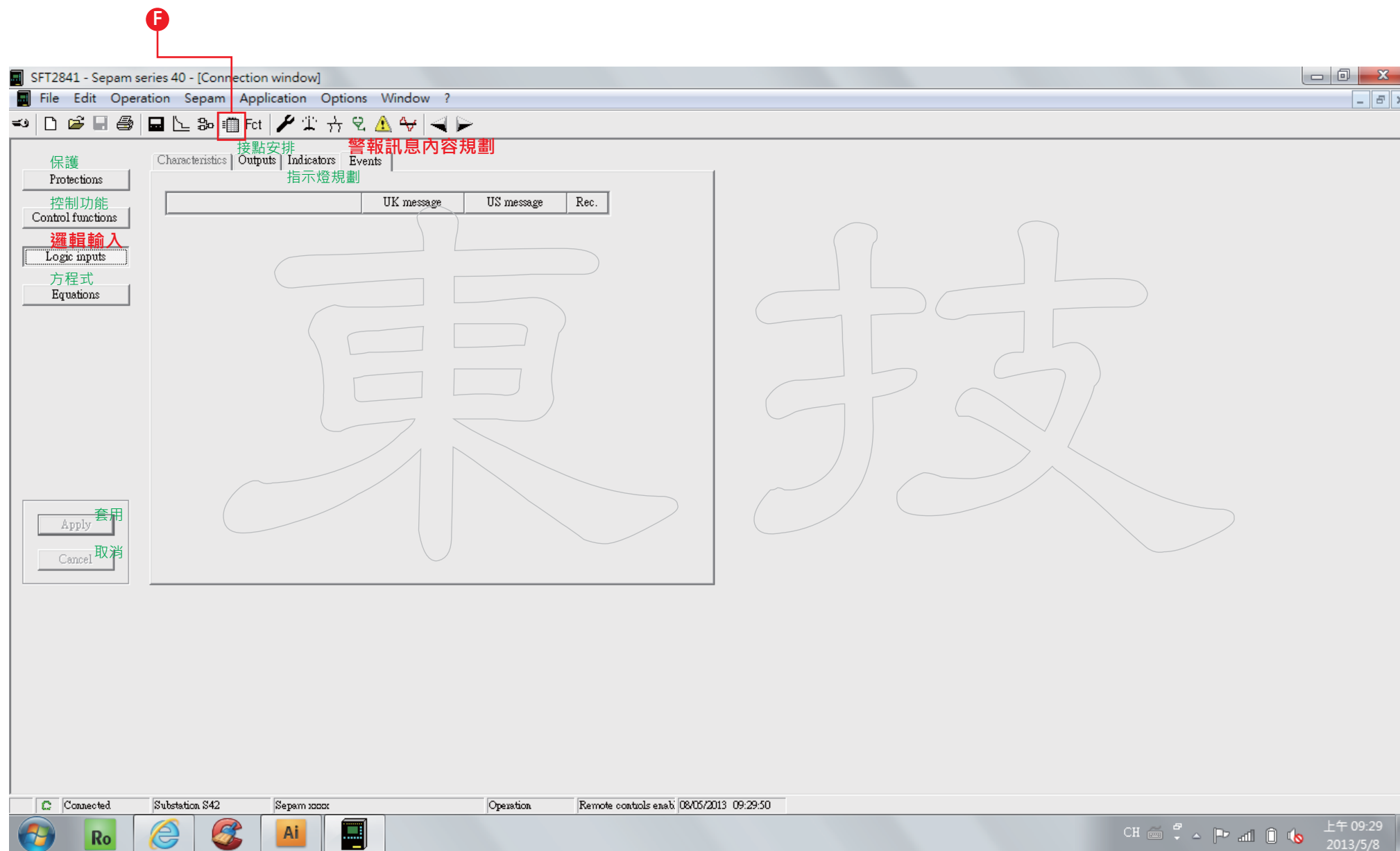
SFT2841設定_F (保護總覽_邏輯輸入_接點安排)



SFT2841設定_F (保護總覽_邏輯輸入_指示燈規劃)



SFT2841設定_F (保護總覽_邏輯輸入_警報訊息內容規劃)



SFT2841設定_F (保護總覽_方程式_接點安排)

The screenshot shows the SFT2841 software interface. The title bar reads "SFT2841 - Sepam series 40 - [Connection window]". The menu bar includes "File", "Edit", "Operation", "Sepam", "Application", "Options", and "Window?". The toolbar contains various icons, with the "Fct" icon highlighted by a red box and a red circle containing the letter "F".

The main interface is divided into several sections:

- Left Panel:** Contains navigation buttons for "保護" (Protections), "控制功能" (Control functions), "邏輯輸入" (Logic inputs), "方程式" (Equations), and "指示燈規劃" (Indicator planning). The "方程式" button is highlighted with a red border.
- Top Panel:** Contains tabs for "Characteristics", "Outputs", "Indicators", and "Events". The "Equations" tab is active.
- Main Area:** Displays a table with columns labeled V1 through V10 and O1 through O4. The O4 column is shaded grey. A large watermark "東支" is overlaid on the table.
- Bottom Panel:** Contains status information: "Connected", "Substation S42", "Sepam xxx", "Operation", and "Remote controls enabled 08/05/2013 09:30:14".

	O1	O2	O3	O4
V1				
V2				
V3				
V4				
V5				
V6				
V7				
V8				
V9				
V10				

SFT2841設定_F (保護總覽_方程式_指示燈規劃)

The screenshot shows the 'SFT2841 - Sepam series 40 - [Connection window]' application. The 'Equations' tab is active, displaying a table for indicator planning. A red circle with the letter 'F' is positioned above the 'Fct' button in the toolbar. The table has columns for 'Led 1' through 'Led 9' and rows for 'V1' through 'V10'. Large, faint Chinese characters '雷' (Thunder) and '技' (Skill) are overlaid on the table and the right side of the window.

	Led 1	Led 2	Led 3	Led 4	Led 5	Led 6	Led 7	Led 8	Led 9
V1									
V2									
V3									
V4									
V5									
V6									
V7									
V8									
V9									
V10									

SFT2841設定_F (保護總覽_方程式_警報訊息內容規劃)

保護總覽_方程式_警報訊息內容規劃

雙擊點選訊息欄位，會跳出如下視窗，可修改訊息內容；按下「指派」後可將新訊息指派給所選警報項目。

如欲指派新訊息，請點選該訊息之代號欄位(No.XXX)才能選擇該訊息

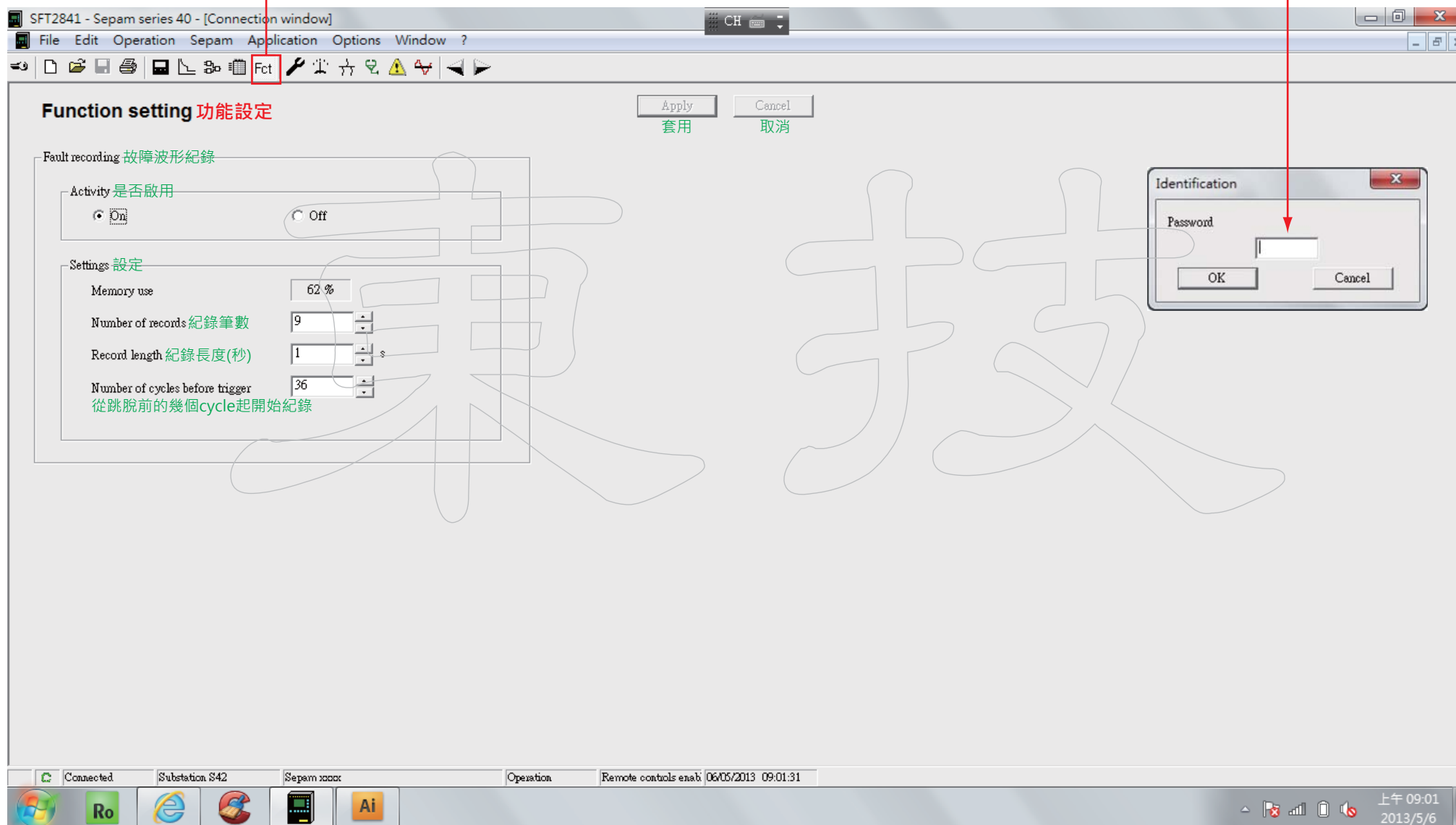
	UK message	US message	Rec.
V1			
V2			
V3			
V4			
V5			
V6			
V7			
V8			
V9			
V10			

No.	UK English	Local
1	PHASE FAULT	相間故障
2	EARTH FAULT	接地故障
3	THERMAL ALARM	49RMS 警報
4	THERMAL/TRIP	49RMS 跳脫
5	UNBALANCE I	電流不平衡
6	ROTOR BLOCKIN	轉子鎖住
7	LONG START	啟動過久
8	START INHIBIT	禁止啟動
9	UNDER CURRENT	低電流電驛
10	OVERVOLTAGE	過電壓電驛
11	UNDERVOLTAGE	低電壓電驛
12	UNDERVOLT. PS	正相序欠電壓

十、SFT2841設定_G (故障波形紀錄功能設定)

用滑鼠點選圖示G，可進入Sepam故障波形紀錄功能設定。

G 套用變更設定時會跳出密碼輸入對話框，出廠密碼為：「0000」



十一、SFT2841設定_H (Sepam狀態總覽_自我診斷)

用滑鼠點選圖示H，可進入Sepam狀態總覽。

The screenshot shows the 'SFT2841 - Sepam series 40 - [Connection window]' application. The 'Diagnosis' menu is selected, and the 'Self-Diagnosis' (自我診斷) screen is active. The screen is divided into several sections:

- Sepam general characteristics (Sepam規格):**
 - Application type: S42
 - Sepam identification: Sepam xxxx
 - Software version: V8.02
- Sepam status (Sepam狀態):**
 - Major fault: no
 - Partial fault: no
 - Remote setting enabled: no
 - Connector: CCAxxxx present
 - Sepam date and time: 02/05/13 18:07:37 (with a button to modify time)
 - Sepam synchronized: no
 - time-tagged event present: yes (Table 1,2)
- Communication (通訊狀態):**
 - Communication protocol: Modbus
 - Communication interface version: 0.1
 - Data loss: no
 - Status: operational
 - Number of frames received: 0
 - Number of frames received with errors: 1
- Status of optional modules (選用模組狀態):**

Module	Status	Version
MES108 (4I + 4O module)	absent	
MES114 (10I + 4O module)	absent	
1st MET148 (8 temperature sensors module)	absent	
2nd MET148	absent	
MSA141 (1 analog output module)	absent	
DSM303 (Front panel UMI module)	present	V0840

The bottom status bar shows: Connected | Substation S42 | Sepam xxxx | Operation | Remote controls enab | 02/05/2013 18:07:42. The system tray at the bottom right shows the date and time: 下午 06:07 2013/5/2.

SFT2841設定_H (Sepam狀態總覽_接點與燈號狀態)

The screenshot displays the SFT2841 software interface for a Sepam series 40. The window title is "SFT2841 - Sepam series 40 - [Connection window]". The menu bar includes "File", "Edit", "Operation", "Sepam", "Application", "Options", and "Window?". The toolbar contains various icons, with a red box highlighting the "Fct" icon. A red circle with the letter "H" is positioned above the toolbar, with a line pointing to the "Fct" icon.

The main content area is titled "Input, output and indicator status (接點與燈號狀態)". It is divided into several sections:

- Indicators:** A row of ten indicator lights labeled "Fault", "L1", "L2", "L3", "L4", "L5", "L6", "L7", "L8", and "L9". Above each light is a label: "I>51", "I>>51", "Io>51N", "Io>>51N", "Ext", "O off", "I on", and "Trip".
- Inputs:** A large empty rectangular box on the left side.
- Outputs:** A vertical stack of four output indicators labeled "O1", "O2", "O3", and "O4". "O4" is highlighted in yellow.
- Legend:** A box containing a grey circle with "0" and a yellow circle with "1".
- Testing outputs:** A button labeled "Testing outputs".

At the bottom of the window, there is a status bar with the following information: "Connected", "Substation S42", "Sepam xxx", "Operation", "Remote controls enab", and "02/05/2013 18:08:08". The Windows taskbar at the very bottom shows the system clock as "下午 06:08 2013/5/2".

SFT2841設定_H (Sepam狀態總覽_遠端指示狀態)

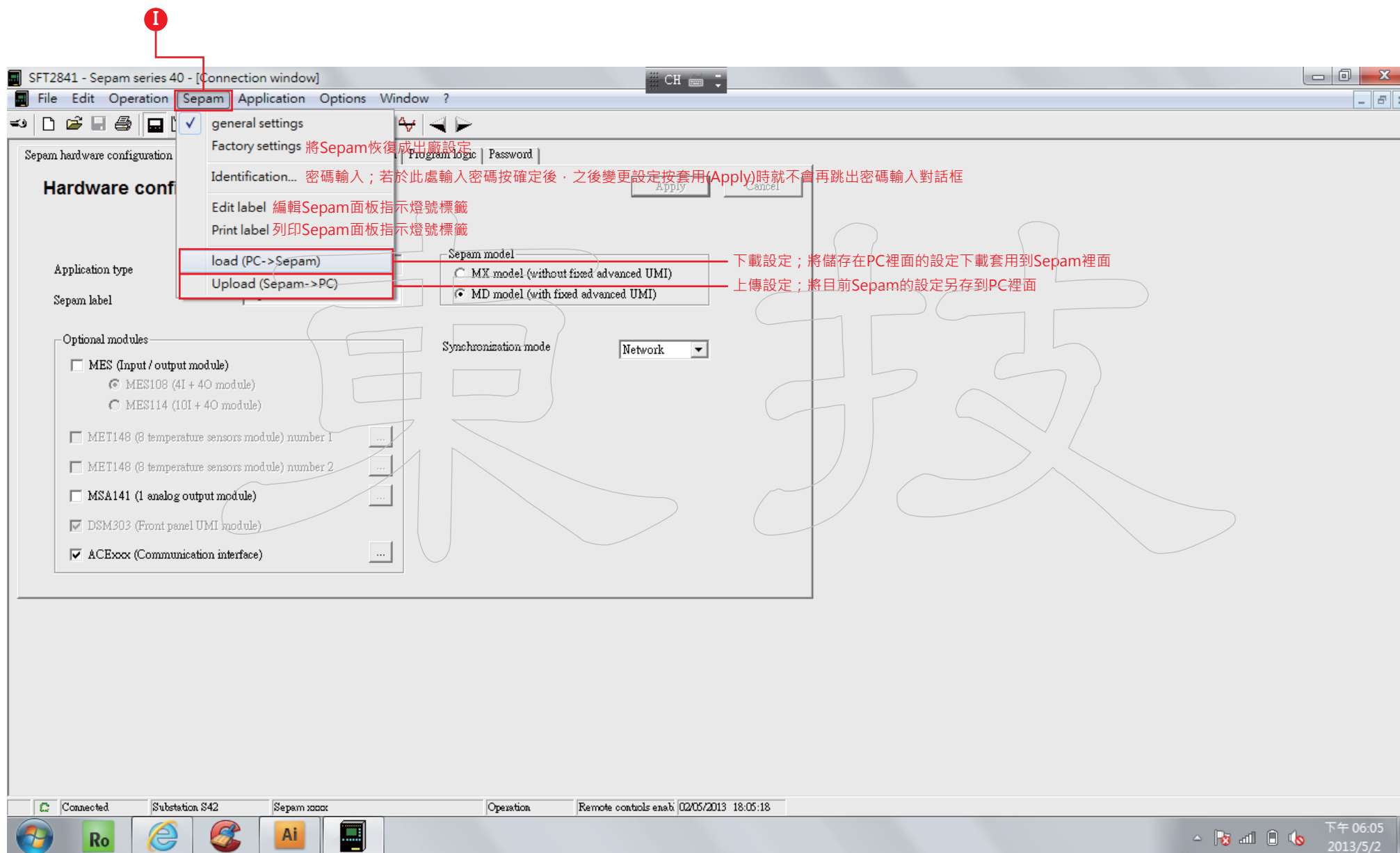
The screenshot shows the 'Remote indications status' window in the SFT2841 software. The window title is 'SFT2841 - Sepam series 40 - [Connection window]'. The menu bar includes 'File', 'Edit', 'Operation', 'Sepam', 'Application', 'Options', and 'Window'. The toolbar contains various icons, with a red box highlighting a specific icon. A red line connects this icon to a red 'H' in a circle located above the window title bar.

The main content area is titled 'Remote indications status (遠端指示狀態)'. It displays a grid of 143 TS indicators, arranged in 15 rows and 10 columns. The indicators are labeled from TS 1 to TS 143. The status of each indicator is shown as a small box, with '0' representing a normal state and '1' representing an abnormal state. In this view, TS 102 and TS 107 are highlighted in yellow, indicating they are in state '1'. A legend in the bottom right corner shows a white box with '0' and a yellow box with '1'.

At the bottom of the window, there is a status bar with the following information: 'Connected', 'Substation S42', 'Sepam xxxc', 'Operation', and 'Remote controls enab | 02/05/2013 18:08:19'. The Windows taskbar at the very bottom shows the system clock as '下午 06:08 2013/5/2'.

十二、SFT2841設定_I (Sepam<->PC上傳與下載)

用滑鼠點選圖示 I，可叫出下拉式選單。



東 技

Schneider 施耐德電機授權經銷商
Electric

東技企業股份有限公司
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總公司: 台北市內湖區行愛路68號6樓

電話: (02)8791-8588

傳真: (02)8791-9588

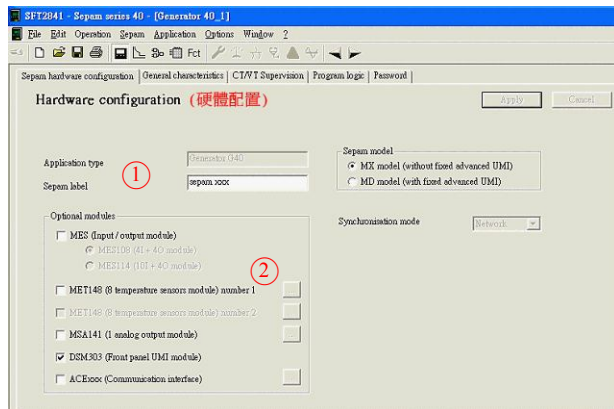
E-mail: toyotech@ms37.hinet.net

中辦處: (04)2296-9388

高辦處: (07)227-2133

網址: www.toyotech.com.tw

功能表列



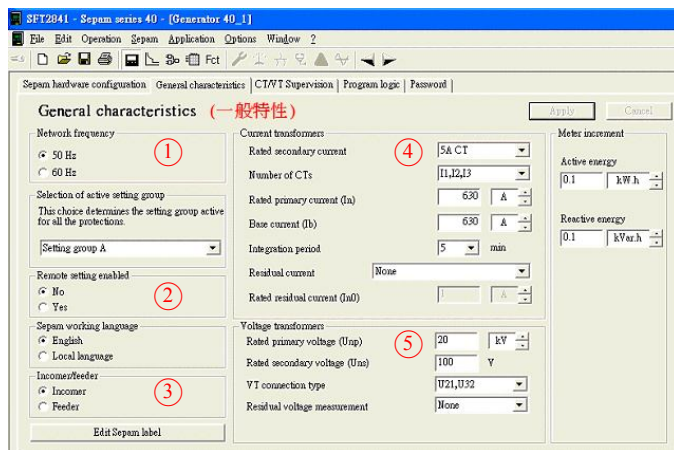
1. SEPAM 電驛型號

2. 選配模組配件的勾選

(如果誤勾選了無安裝的模組.將導致 SEPAM 電驛面板出現故障訊息)



(SEPAM 電驛將鎖死.無法使用)



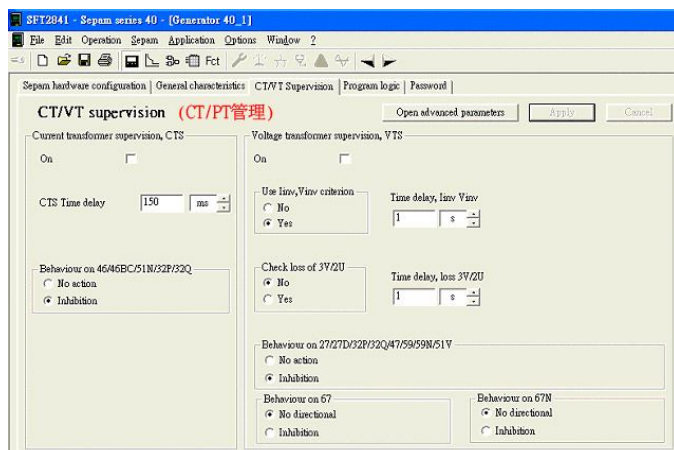
1. 頻率

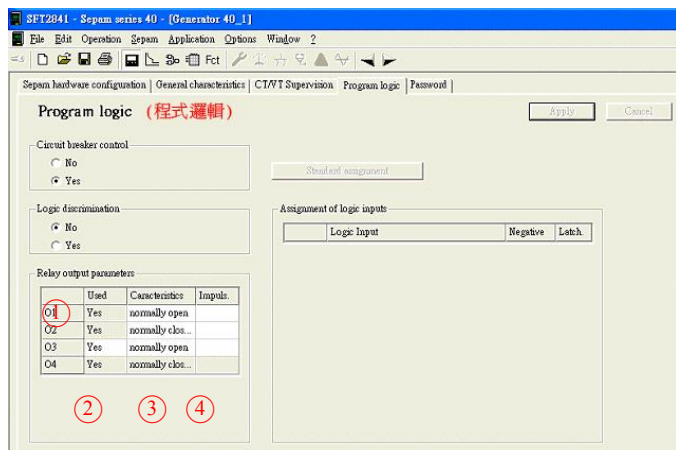
2. 語言

3. 進線方式

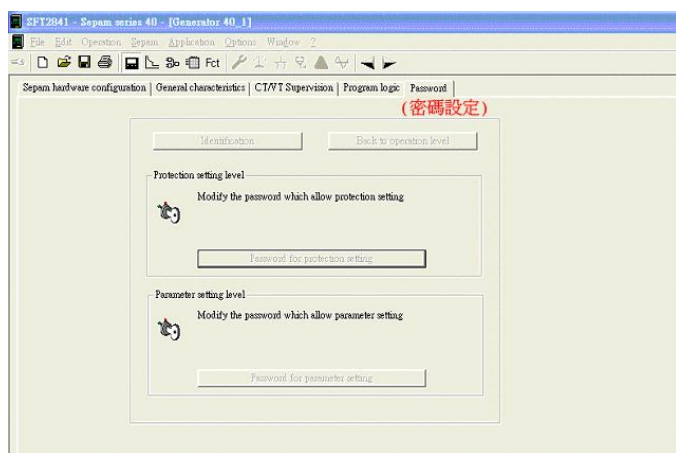
4. 比流器設定

5. 比壓器設定

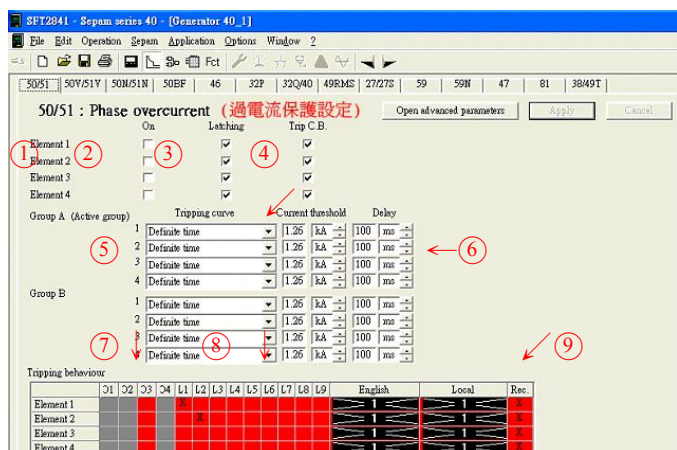
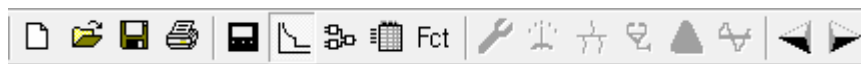




1. 接點編號
2. 是否使用
3. 接點狀態選擇
常開或常閉
4. 接點是否 Impuls 輸出模式
(v 為使用 Impuls 輸出模式 . □空白則為否)



功能表列



設定 CO I>.I>>頁面

1. 勾選開啟電驛動作 (v 為使用 . □空白則為否)
2. 動作發生後閉鎖 (v 為使用 . □空白則為否)
3. 發出信息跳脫斷路器 (v 為使用 . □空白則為否)
4. 設定跳脫電流值(一次測). 單位可選 A 或 KA
5. 跳脫曲線的設定 :

一般第 1 項次設定長延時(I>)

第 2 項次設定瞬時(I>>),

Group A.B 可以設定不同值, 由一般設定頁面選擇使用 A or B 組.

共有 17 種曲線可供選擇



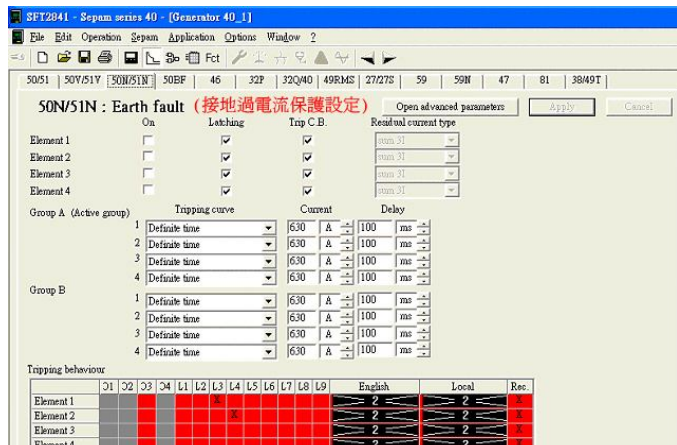
6. 時間設定(=t . =LEVER), 單位可選 S . MS

7. 電驛動作發生時, 哪一組接點動作(O1~O4) (v 為使用 . □空白則為否 . 可複選)

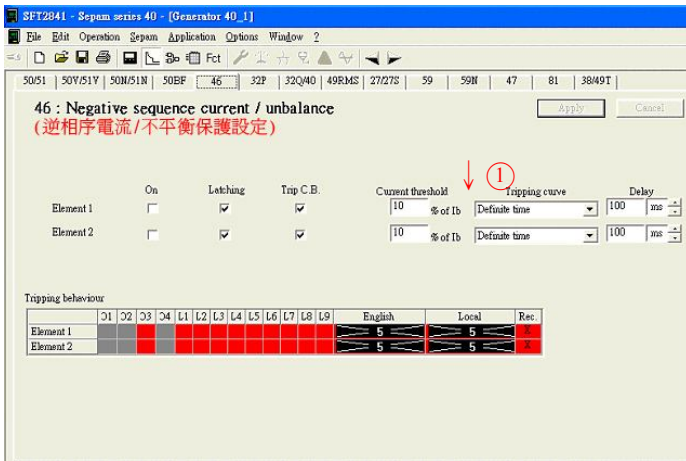
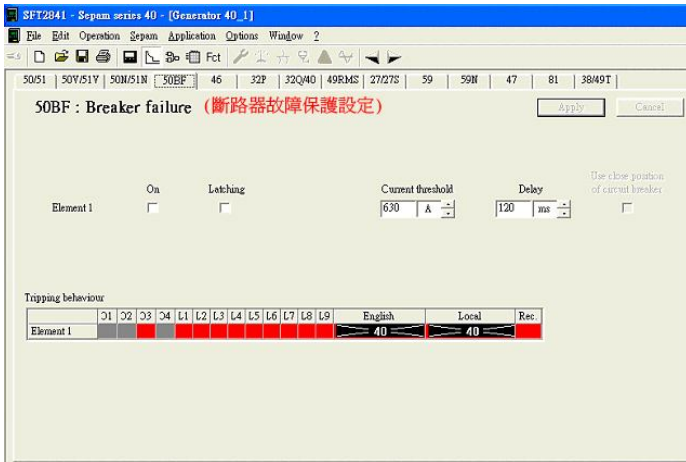
8. 電驛動作發生時, 哪一組燈亮(L1~L9) (v 為使用 . □空白則為否 . 可複選)

9. 電驛動作發生時, 是否保留訊息

(v 為使用 . □空白則為否 . 可複選)

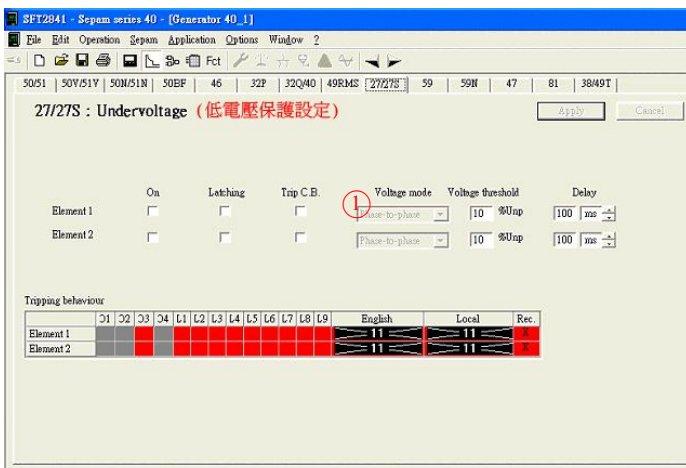


設定 LCO I>.I>>頁面

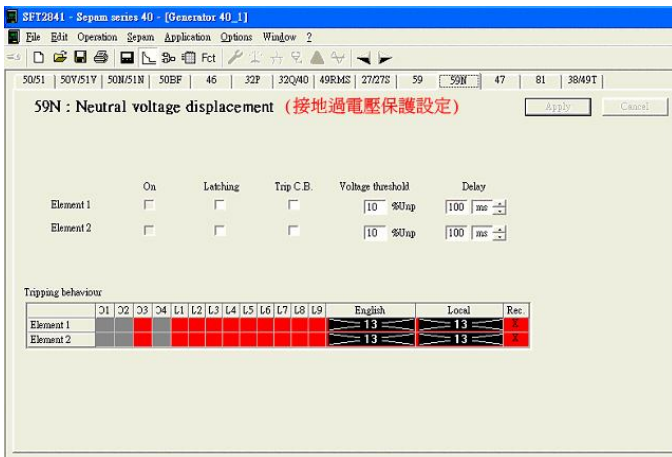
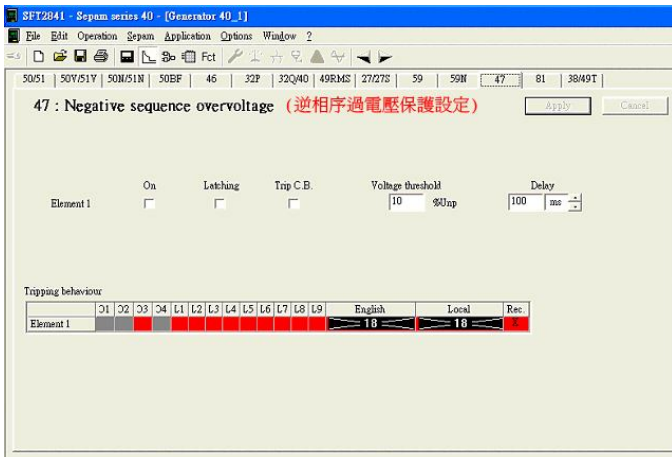
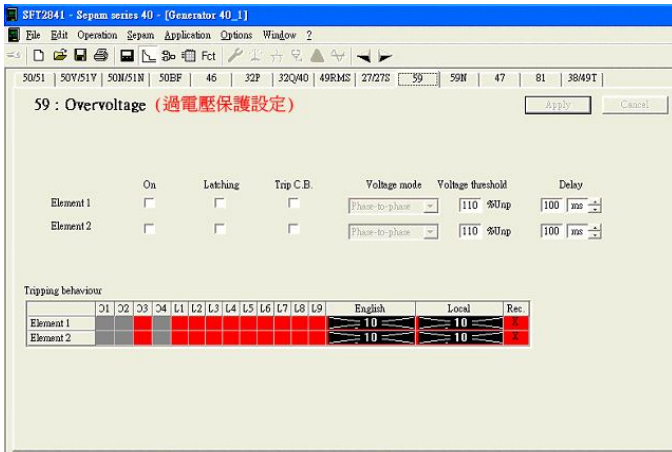


1. 共有九條曲線可供選擇

- Definite time
- IDMT Schneider
- IEC S1T /A
- IEC L TI /B
- IEC VIT /B
- IEC EIT /C
- IEEE moderately inverse
- IEEE very inverse
- IEEE extremely inverse



1. 電壓偵測來源
可選擇 L-L , L-N



SFT2841 - Sepam series 40 - (Generator 40_1)

File Edit Operation Sepam Application Options Window ?

50S1 | 50V/51V | 50M/51M | 50BF | 46 | 32P | 32Q/40 | 49RMS | 27/27S | 59 | 59N | 47 | 81 | 3849T

81H : Overfrequency (過頻保護設定)

Open advanced parameters Apply Cancel

Element	On	Latching	Trip C.B.	Frequency threshold	Delay
Element 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	53 Hz	100 ms
Element 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	53 Hz	100 ms

Tripping behaviour

	D1	D2	D3	D4	L1	L2	L3	L4	L5	L6	L7	L8	L9	English	Local	Rec.
Element 1														14	14	
Element 2														14	14	

81L : Underfrequency (低頻保護設定)

Element	On	Latching	Trip C.B.	Frequency threshold	Delay
Element 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	45 Hz	100 ms
Element 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	45 Hz	100 ms
Element 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	45 Hz	100 ms
Element 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	45 Hz	100 ms

Tripping behaviour

	D1	D2	D3	D4	L1	L2	L3	L4	L5	L6	L7	L8	L9	English	Local	Rec.
Element 1														15	15	
Element 2														15	15	
Element 3														15	15	
Element 4														15	15	

功能表列



SFT2841 - Sepam series 40 - (Generator 40_1)

File Edit Operation Sepam Application Options Window ?

50S1 | 50V/51V | 50M/51M | 50BF | 46 | 32P | 32Q/40 | 49RMS | 27/27S | 59 | 59N | 47 | 81 | 3849T

Logical equations (邏輯程式編寫)

Apply Cancel

Editing constant

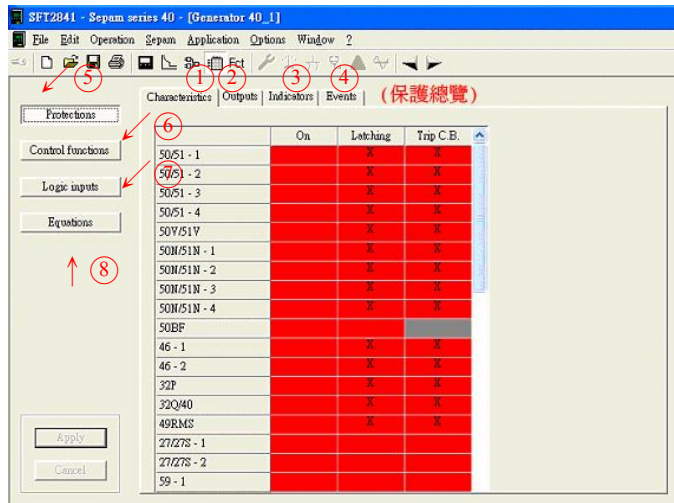
Save variables: VL24 to VL31

yes no

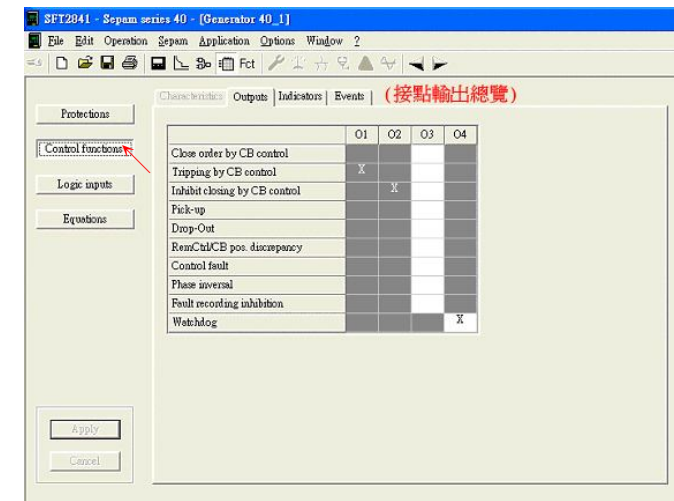
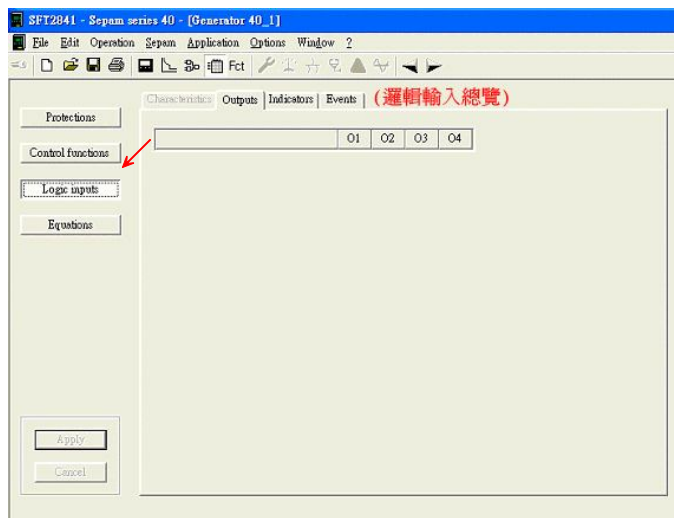
Tune delays Create Delete Set

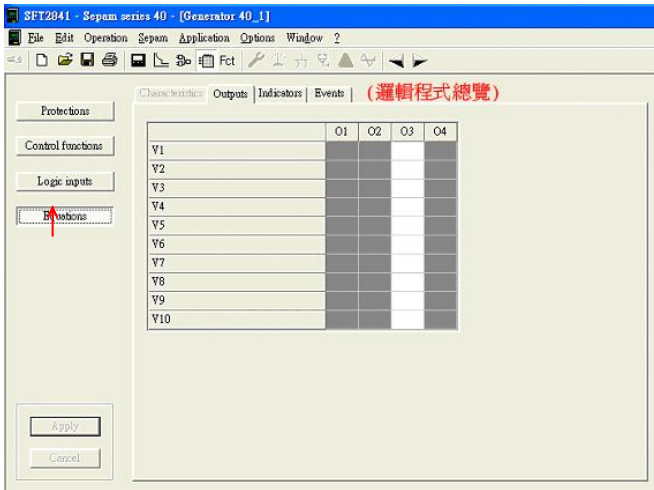
Verification of equations

功能表列



1. 電驛狀態
2. 接點狀態
3. 燈號狀態
4. 故障訊息狀態
5. 保護的狀態總覽
6. 接點輸出狀態總覽
7. 邏輯輸入控制狀態總覽
8. 程式控制狀態總覽





功能表列

