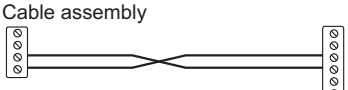
User guide

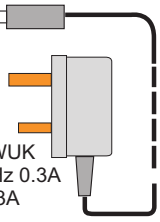
S4 Interface Programmer Kit (S4-INTERFACE-PROG) V1.04

GENT by Honeywell

Cable assembly



Programmer

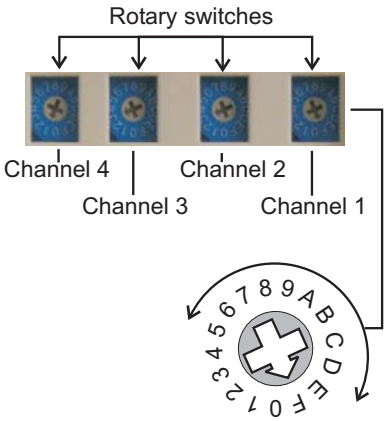


AC-DC Adaptor
Model MCPLG6V10WUK
Input: 230Vac 47-63Hz 0.3A
Output: 6V ⎓ 1.33A

The kit (S4-INTERFACE-PROG) can be used to program the **S4-Interface units** to simulate legacy 344XX range of interface units. This allows the S4 interface units to be used in place of old interfaces without the need to upgrade or re-commission the system.

Setting the rotary switches

The Programmer has four rotary switches to set interface channels.



Set the rotary switches on the Programmer to the required number or letter for each interface Input/Output channel(s).

Rotary switch settings on the Programmer			To convert a S4-Interface to a 344XX interface:					
			S4-34401	S4-34410	S4-34440-02	S4-34450		S4-34404
			to a					
Rotary Switch position	Function	Applied delay	3 4 4 1 5	3 4 4 1 0	3 4 4 4 0	3 4 4 5 0	Link setting applicable to **S4-34450 only**	3 4 4 5 0 ~
0	Unused		#	#	✓	✓		
1	Relay Output (N/O) or Sector Output (Normally Off)				✓	✓		
2	Relay Output (N/C) or Sector Output (Normally On)					✓		
3	N/C Fire Input	No delay	✓			✓		✓
4	N/O Fire Input	No delay	✓			✓		✓
5	N/C Fault Input	No delay	✓			✓		✓
6	N/O Fault Input	No delay	✓			✓		✓
7	N/C Supervisory Input	No delay	✓			✓		✓
8	N/O Supervisory Input	No delay	✓			✓		✓
9	N/C Fire Input	10s delay	!			✓		!
A	N/O Fire Input	10s delay	!			✓		!
B	N/C Fault Input	10s delay	!			✓		!
C	N/O Fault Input	10s delay	!			✓		!
D	N/C Supervisory Input	10s delay	!			✓		!
E	N/O Supervisory Input	10s delay	!			✓		!
F	Zone Input - S4-34450 and S4-34410 (channel 1 only)			✓	✓	✓		

N/C - Normally Closed N/O - Normally Open
! - check if delay of 10s can be applied, the old product has a fixed delay of 30s.
✓ - applicable option
- only channel 1 is configurable, channels not used set to - UNUSED
~ - 34450 with 19245-06 PSU used for mains switching

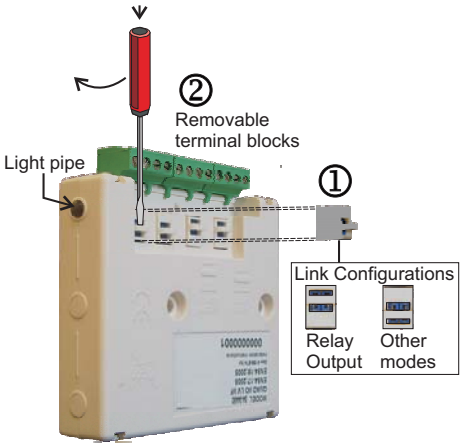
A converted interface unit can be installed in an analogue addressable panel based system:
BS panel having - MCC ≥ V3.70 and LPC ≥ V3.81
EN panel having - MCC ≥ V4.10 and LPC ≥ V4.11

Instructions to convert S4-34450 or S4-34410 LV Interface units

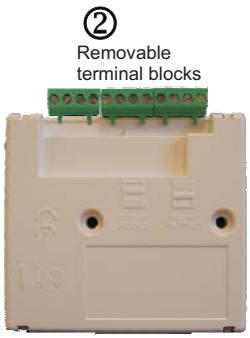
These procedures must be followed to convert a S4-34450 LV Interface unit to a legacy 34450 4-channel interface unit or a S4-34410 LV interface unit to a legacy 34410 Loop powered zone module.

a. Set the channel **rotary switches** on the Programmer as per section headed 'Setting the rotary switches'.

b. Set the **links** on the S4-34450 interface unit to the required orientation ① for input or output application. Note the S4-34410 Interface unit has no configuration links. Remove the terminal block ② from the interface unit to be programmed.



For a S4-34450 all **4 Channels** should be configured for Input, Output or unused



For a S4-34410 only **Channel 1** is required to be configured

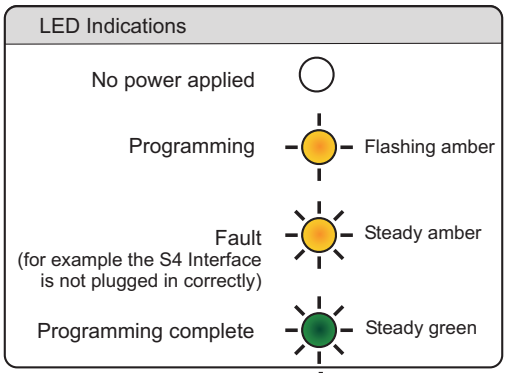
c. Plug the S4-34450/S4-34410 Interface Unit into the terminal blocks on the Programmer ③. Connect the AC-DC Adaptor lead to the power socket ④ on the Programmer and the other end to a mains socket.

Note the programming status indications ⑤ given on the Programmer and LED indication ⑥ on the S4-34450/S4-34410 Interface unit. The programming duration is approximately 10 seconds.

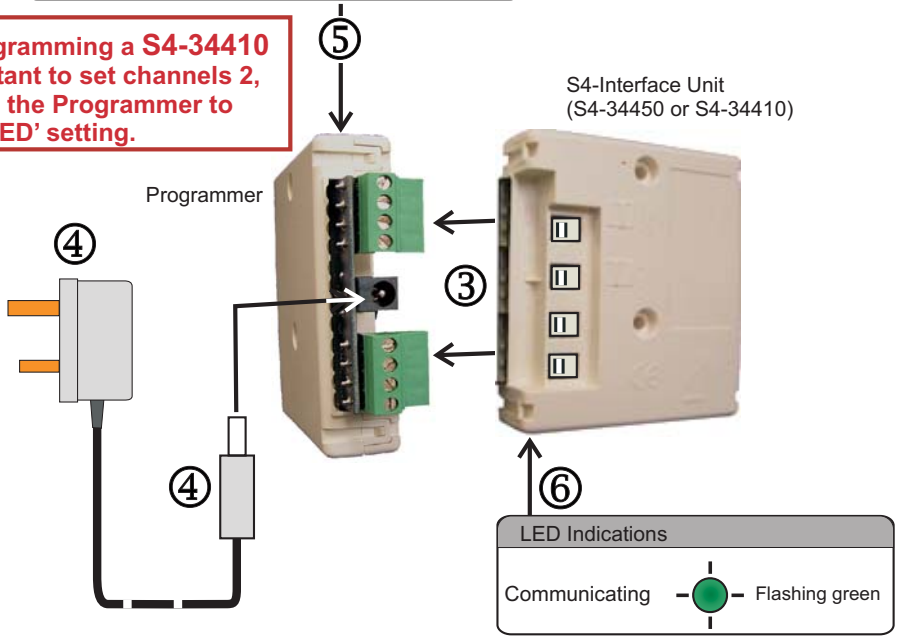
d. If programming another S4-34450/S4-34410 Interface unit then repeat the process from a).

e. When all the programming is finished, switch off the mains supply and unplug the AC-DC Adaptor lead from the Programmer and mains socket.

The programmed S4-34450/S4-34410 Interface unit is now ready and can replace an existing 34450 or 34410 loop interface unit on a loop circuit of an Analogue Addressable fire detection and alarm system. Connect the system cables to the programmed interface unit and ensure the correct EOL device(s) are fitted.



When programming a S4-34410 it is important to set channels 2, 3 and 4 on the Programmer to the 'UNUSED' setting.



Instructions to convert a S4-34440-02 Mains powered Interface unit

These procedures must be followed to convert a S4-34440-02 Mains powered interface to a legacy 34440 Mains powered interface unit.

a. Set the channel rotary switches on the Programmer as per section headed 'Setting the rotary switches'.

b. Remove the **Loop** terminal block PB1 ① from the S4-34440-02 Mains powered interface PCB.

c. Connect the **cable assembly** supplied**,** fitting the 6-way terminal block end to the **Loop** pins ② PB1 on the S4-34440-02 Mains powered interface PCB. Remove the loop terminal block from the Programmer ③. Connect the other end of the cable assembly to the loop pins ④on the Programmer, as illustrated.

d. Install and connect the 12V 12Ah batteries ⑤ inside the S4-34440-02 Mains powered interface unit enclosure and power up by pressing the switch SW1 ⑥. If charged batteries are not available then power up the S4 mains powered interface using the Mains supply.

e. Fit the AC-DC Adaptor lead to the Interface programmer and connect the mains plug to a mains socket ⑦.

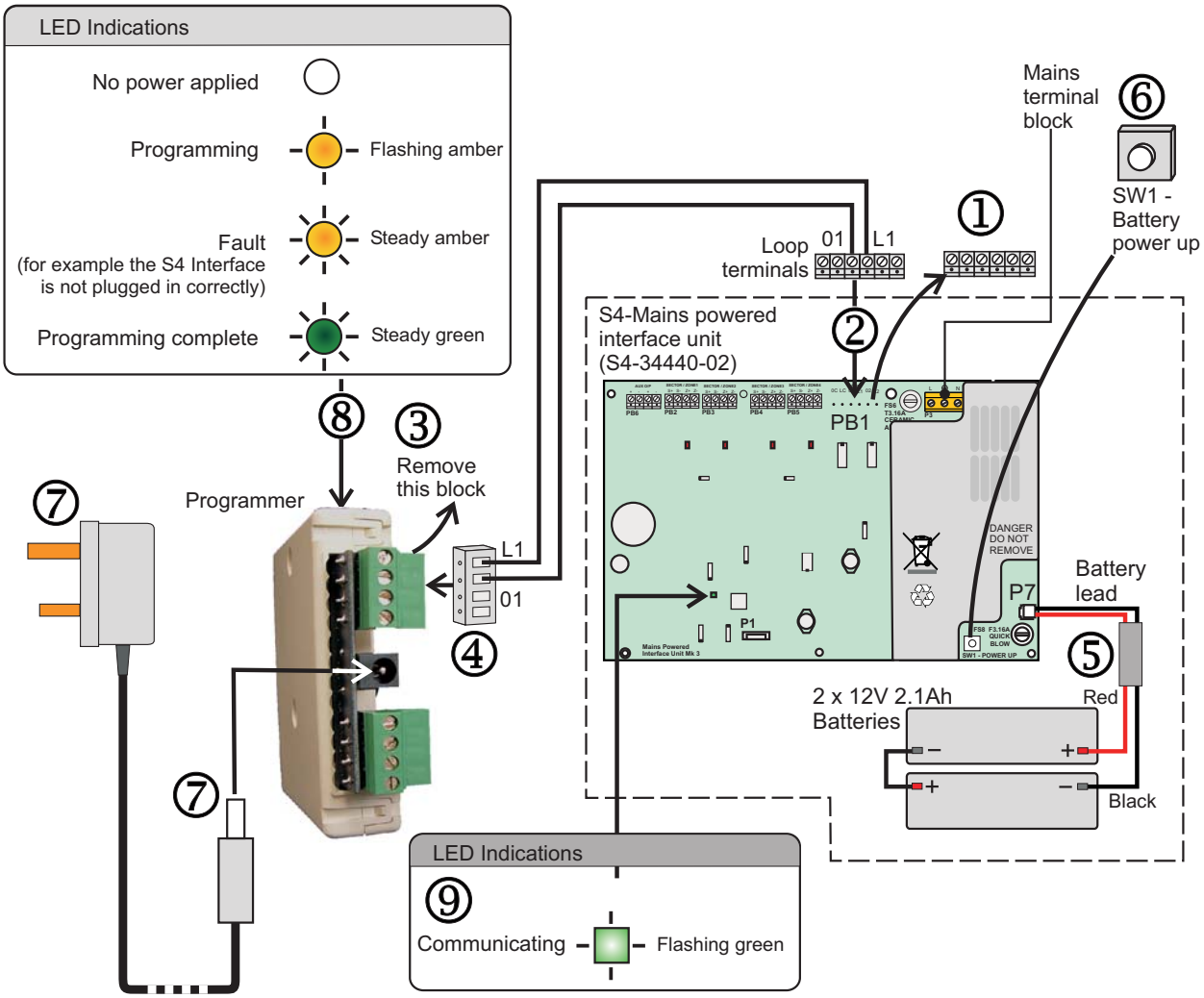
Note the programming status LED ⑧on the Programmer and LED ⑨ on the S4-34440-02 Mains powered interface PCB. The programming duration is approximately 10 seconds.

f. Disconnect the **cable assembly** from the loop pins of the programmed S4-34440-02 Mains powered interface PCB. Disconnect the battery lead from connector P7 on the PCB and remove the batteries and leads from the unit. If mains supply was used to power up the S4-34440-02 Mains powered interface unit then power down and disconnect the Mains cable. Close the door on the unit.

g. If programming a number of S4-34440-02 Mains powered interface units then follow procedures a) to f)

h. When programming is finished, switch off the mains supply and unplug the AC-DC Adaptor from the Programmer.

The S4 Mains powered interface unit is now programmed and can be used in place of a legacy 34440 Mains powered interface unit on a loop circuit of an Analogue Addressable fire detection and alarm system.
Connect the system cables to the programmed interface unit and ensure the correct EOL device(s) are fitted.



Instructions to convert S4-34404 or S4-34401 Mains switching interface units

These procedures must be followed to convert a:

- S4-34404 Mains switching interface in to a legacy 34450 Interface unit that operates with a 19245-06 Power supply unit for mains switching. For this a VSINTL-PCB on chassis is available to replace the PCB inside a 34450 legacy interface unit.
- S4-34401 Mains switching interface to a legacy 34415 Single channel (output) Interface unit used for mains switching, this unit also has a switch input.

a. Set the channel rotary switches on the Programmer as per section headed 'Setting the rotary switches'.

b. Remove terminal block ① from the **cable assembly** supplied.

c. Connect the L1 & 0V leads ② of the **cable assembly** to TB6 on a S4-34404/S4-34401 Mains switching interface unit, as illustrated. Remove the loop terminal block from the Programmer ③ and connect the terminal block end of the cable assembly to the loop pins ④ on the Programmer, as illustrated.

d. Fit the AC-DC Adaptor lead to the Interface programmer and connect the mains plug to a mains socket ⑤. Note the programming status LED ⑥ on the Programmer and LED ⑦ on the S4-34401/S4-34404 Mains switching interface PCB. The programming duration is approximately 10 seconds.

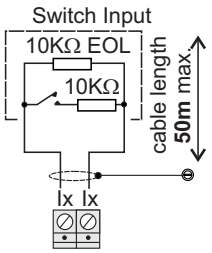
e. Disconnect the **cable assembly** from the loop pins of the programmed S4-34401/S4-34404 Mains switching interface unit and close the door on the unit.

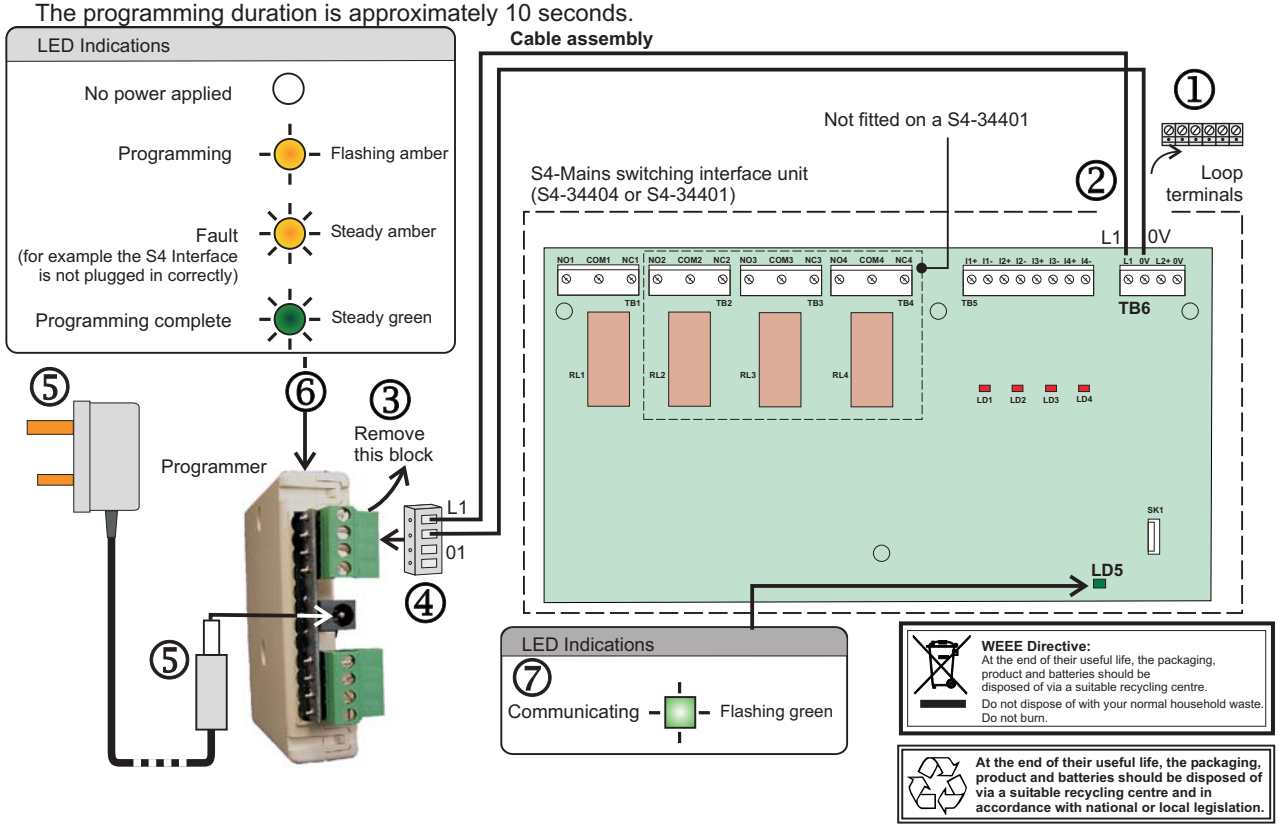
f. If programming a number of S4-34401/S4-34404 Mains switching interface units the repeat procedures a) to e).

g. Reconnect the previously removed terminal block ① to the cable assembly.

h. When programming is finished, switch off the mains supply and unplug the AC-DC Adaptor from the Programmer.

A programmed S4-34404 Mains switching interface unit can be used in place of a legacy interface 34450 having a 19245-06 Power supply unit. A programmed S4-34401 Mains switching interface unit can be used in place of a legacy 34415 Single channel loop powered interface unit. Where the interface unit is installed on a loop circuit of an Analogue Addressable fire detection and alarm system.
Connect the system cables to the programmed interface unit and ensure the correct EOL device(s) are fitted, where used.





WEEE Directive:
At the end of their useful life, the packaging, product and batteries should be disposed of via a suitable recycling centre.
Do not dispose of with your normal household waste.
Do not burn.

At the end of their useful life, the packaging, product and batteries should be disposed of via a suitable recycling centre and in accordance with national or local legislation.

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