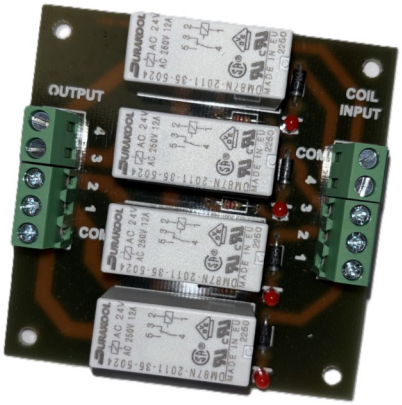
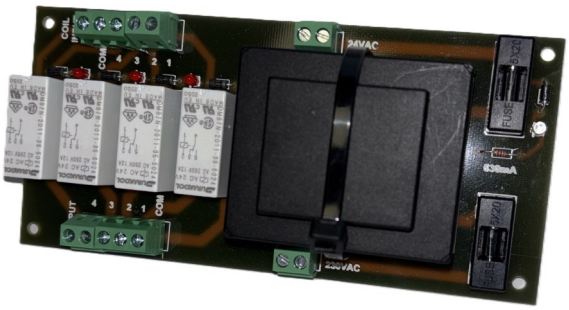
Sontay®
Four Elms Road - Edenbridge
Kent - TN8 6AB - UK

IO-FRM4 & IO-FRM4-T
Fan Speed Relay Module

Issue Number 1.0
12/02/2025

Installation Guide







Antistatic precautions must be observed when handling these sensors. The PCB contains circuitry that can be damaged by static discharge.

1. The IO-FRM4 should be installed by a competent, suitably trained technician experienced in installation with hazardous voltages. Warning in excess of 200 volts can be present on this device

2. Ensure all power is disconnected before carrying out any work on the IO-FRM4. Field wiring should be installed to satisfy the requirements set out by the manufacturer of the equipment that the module is being connected to.

3. Ensure the incoming voltage is correct for the product in use, the tappings input voltage is 24Vac. For the IO-FRM4-T, connect the 230Vac live output to the transformer terminal.

4. If more than one fan speed become live simultaneously, the highest fan speed will have precedence.

5. Connections for a fan motor with multi tapped windings: connect the output common terminal to the live supply, then connect the fan tappings to the relevant output (1,2,3,4) terminals The red LEDs will illuminate when the relay is powered..

6. Connections for the transformer based speed control: Connect the transformers tappings to the relevant output (1,2,3,4) terminals and connect the output common terminals to the live supply.



WEEE Directive:



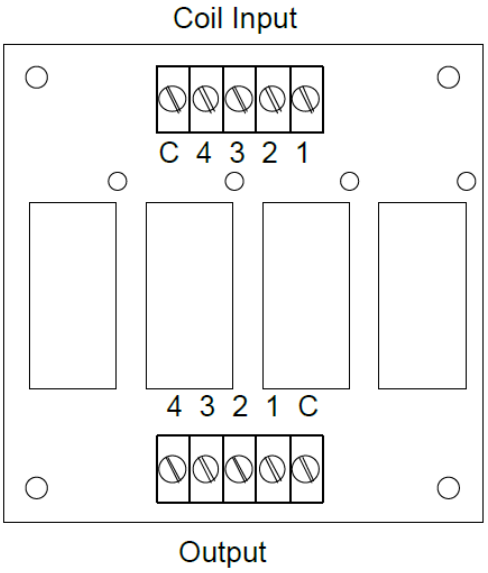
At the end of the products useful life please dispose as per the local regulations.
Do not dispose of with normal household waste.
Do not burn.

CE UK CA

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Wiring Connections:

IO-FRM4:



Coil input terminals:

4, (High)	24Vac
3, (Medium)	24Vac
2, (Low)	24Vac
1 (Heater)	24Vac

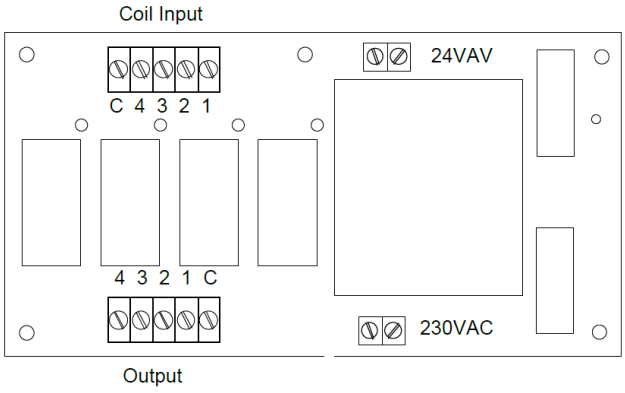
C Common

Output terminals (to go to fan):

4, (High)	VFC
3, (Medium)	VFC
2, (Low)	VFC
1 (Heater)	VFC

C Common

IO-FRM4-T:



Power supply:
24Vac

Coil input terminals:

4, (High)	24Vac
3, (Medium)	24Vac
2, (Low)	24Vac
1 (Heater)	24Vac

C Common

Output terminals inputs:

4, (High)	VFC
3, (Medium)	VFC
2, (Low)	VFC
1 (Heater)	VFC

C Common

230Vac Live supply

24Vav Isolated output

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