

Combustion and Energy SRL



FLAME RELAY

600-IFD-140-SRS

Operation and maintenance manual

CONTACTS

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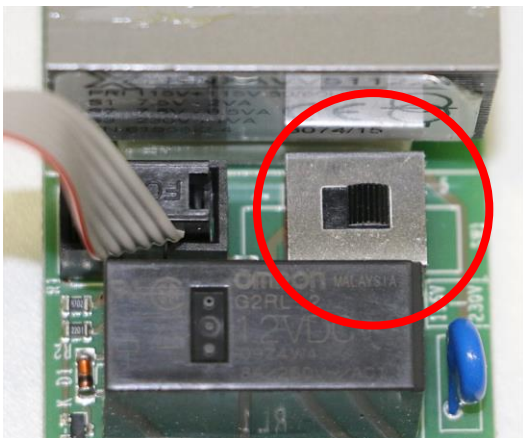
e-mail: info@ce2k.com

Web: www.ce2k.com

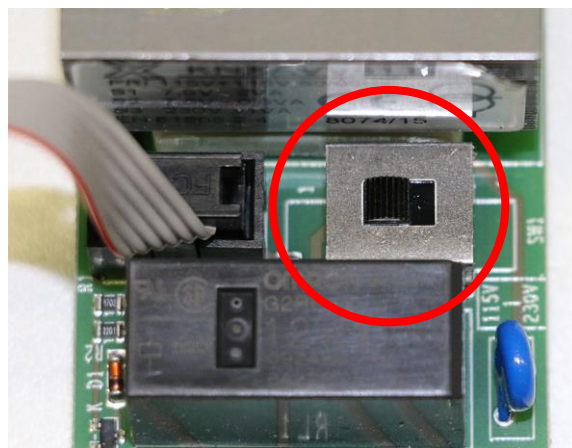
Rev_00

1. INSTALLATION OF 600-IFD-140-SRS

1. Select the power supply voltage by the internal voltage selector switch. The module can work at 115 or 230VAC – 50/60Hz.

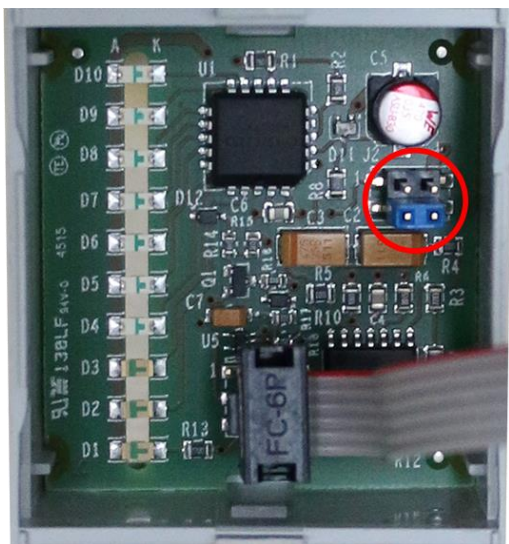


SET = 230VAC
(Default setting)

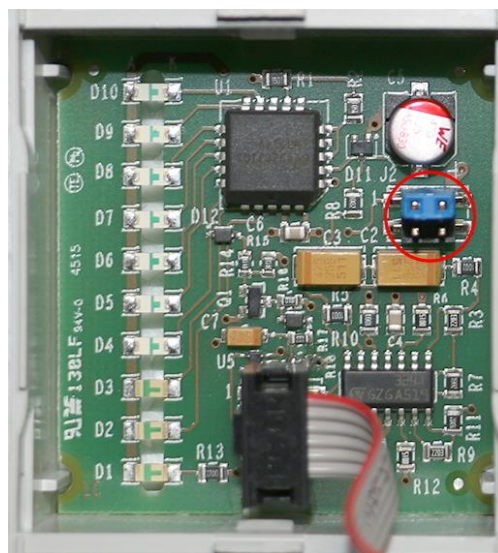


SET = 115VAC

2. Select the FFRT (Flame Failure Response Time) between 0 second and 3 seconds.



FFRT = 0 SECOND
(Default setting)



FFRT = 3 SECONDS

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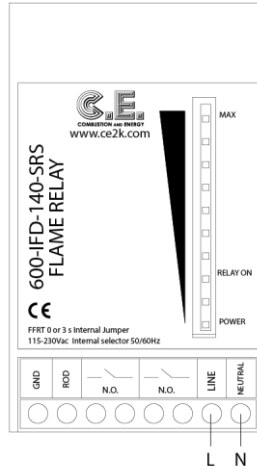
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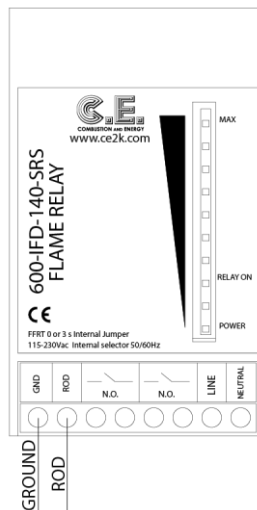
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3. Connect own power supply cable to LINE & NEUTRAL module terminals.



4. Connect the ionisation cable to ROD & GND module output. GND terminal is for the ground connection. Please be sure to have the correct ground connection because this is the most important thing for the correct working of the module.



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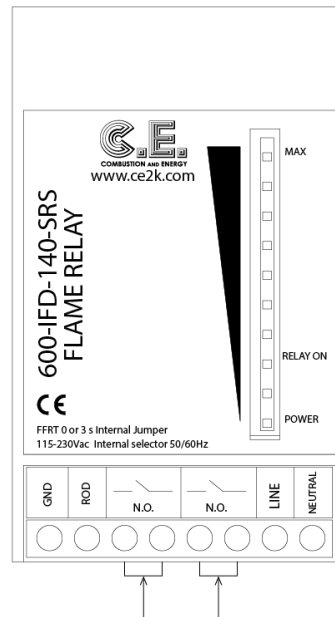
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5. The module has two normal open contacts that close when the current flowing through the rod is more the $2\mu\text{A}$. This condition represents the presence of the flame.



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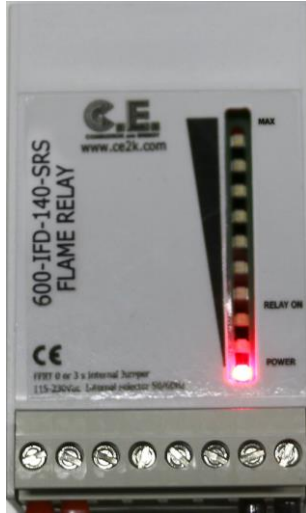
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2. LED STATUS



1st led (RED LED): power on



10th led (LIGHT BLUE LED):
maximum air ionisation



Relay will change status approx.
at the 3rd led.

The led scale (from 1 to 10) represents the intensity of the air ionisation: the more LEDs are on, the higher is the air ionisation.

1. 1st led (RED LED): power on
2. 10th led (LIGHT BLUE LED): maximum air ionisation
3. Relay will change status approx. at the 3rd led.

NOTE:

Attention shall be taken when the ionisation module is installed near one High Tension transformer (keep them separated, in particular the output wires)

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