



combiBOIL TEX4275 Temperature Sensitive Relay Instructions

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combiBOIL TEX4275 Temperature Sensitive Relay Instructions

Temperature Sensitive Relay (TSR)

- Automatically turn on the heating rod when temperature drops below 55°C, cut off when temperature rises above 65°C (Programmable).
- Optional Winter mode automatically heating water when water temperature drops below 3°C (anti-freezing – automatically turn off when > 7°C).
- Manual override allowing force turn on heater manually.
- Robust Glass Fiber reinforced Nylon enclosure.
- Built-in LED indication (ON when TSR engages).
- Surface or panel mount options provides flexibility when installing.

INSTALLATION INSTRUCTIONS

1. Disconnect positive terminal from battery.
2. To Adjust ON / OFF threshold, use a flat-head screwdriver to turn the arrow on knob **A** to desired level (ON = reading – 5°C / OFF = +5°C)
3. Mount the TSR onto desired surface (surface mount) or panel (panel mount).

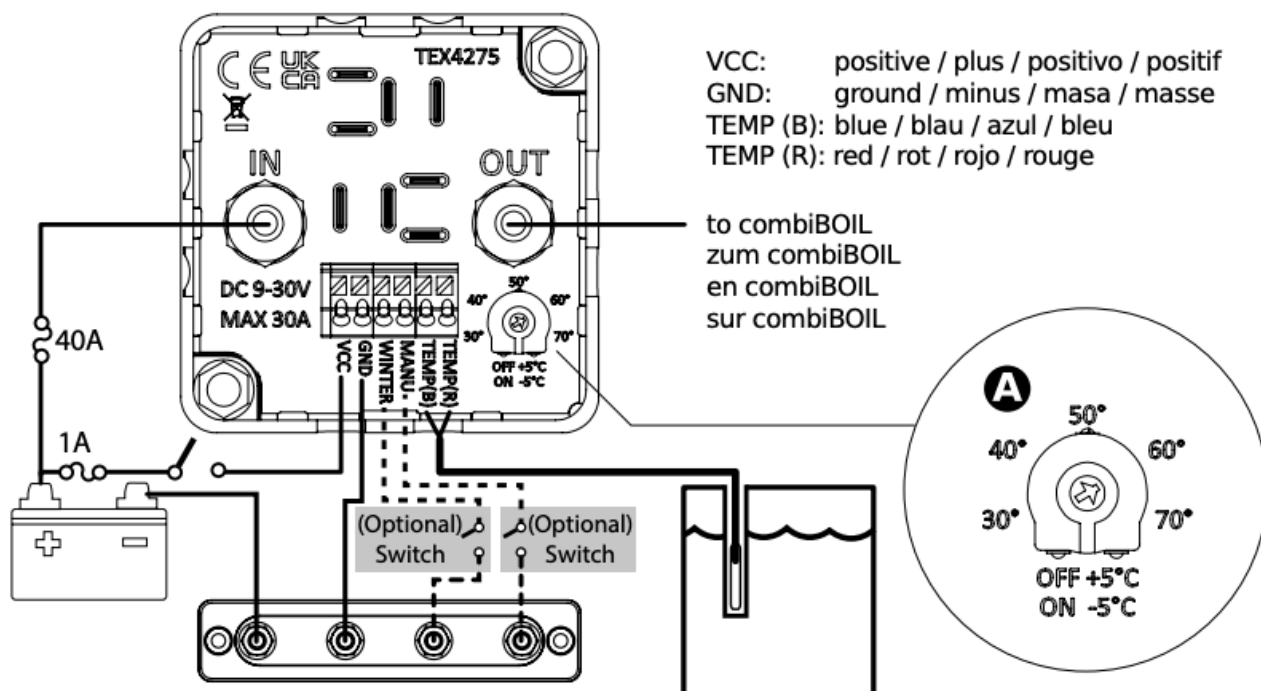
4. Connect Power Source to the IN terminal stud and connect the OUT terminal to the input power of the combiBOIL (or other devices).
5. Connect the DC power positive and ground to VCC and GND Port on the terminal block.
6. Connect the two outputs of Temperature Probe Cable to the TEMP(R) and TEMP(B) Port on the terminal block, respectively.
7. (Optional) [Winter Mode] Connect the WINTER Terminal to the GND via a ON-OFF switch. When switch turned ON, winter mode will be activated.
8. (Optional) [Manual Override] Connect the MANU Terminal to the GND via a ON-OFF switch. When switch turned ON, TSR will be forced to combine and turns on the heater.

PRODUCT SPECIFICATIONS

- *Voltage Rating*
DC 11V -30V
- *ON / OFF Temperature*
< 55°C / > 65°C @Normal Mode*
< 3°C / > 7°C @Winter Mode
- *Current Rating*
25A, max 30A (5min)
- *Electrical/Mechanical Cycle Life (min)*
100k @ 12V 25A,
50k @ 24V 25A
- *Terminal Studs*
M6(1/4")

* ON / OFF threshold is adjustable by knob

WIRING DIAGRAM



Wiring Diagrams are for reference only, consult professionals for wiring suits your needs.

Documents / Resources

	combiBOIL TEX4275 Temperature Sensitive Relay [pdf] Instructions 2024.03 REV.3, TEX4275 Temperature Sensitive Relay, TEX4275, Temperature Sensitive Rela y, Sensitive Relay, Relay
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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