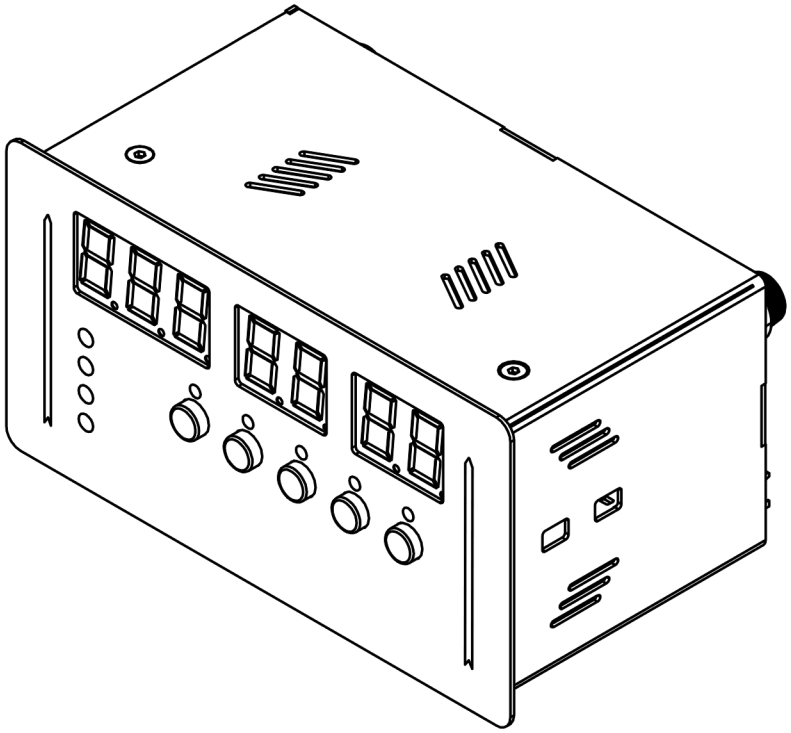


HAFFLER ET-V3.8

Product technical datasheet

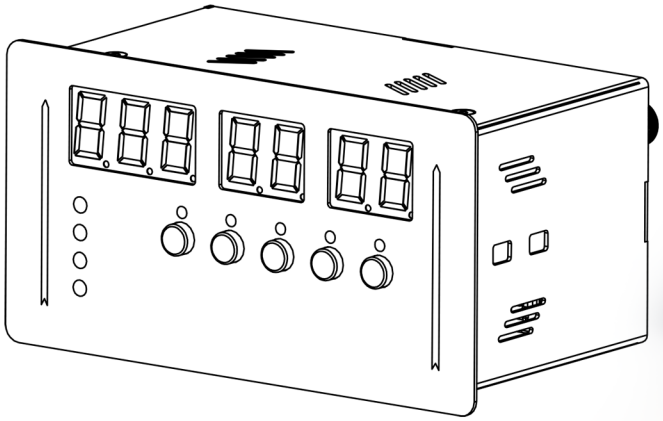
V 1.0.0

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HAFFLER ET-V3.8

PLC controller with 5 buttons for welding machine model ET-V3.8

Aug 2025 5 **Technical specifications datasheet** **Version. 1.0.0**





PLC Welding Controller – Model ET-V3.8 | Suitable for Single-Head and Double-Head Welding

The ET-V3.8 PLC Welding Controller from HAFFLER is a practical and cost-effective solution for industrial welding machines.
Equipped with 5 functional keys, 5 independent memory slots, and dual-mode operation (single-head and double-head welding), this controller ensures precise and efficient control in demanding industrial environments.

Key Features of ET-V3.8

. LED Status Display for quick process monitoring

. Optimized Design for ease of use compared to similar models

. Accurate Temperature Control with built-in PID regulation

. Web Application Support for remote monitoring and control

. Advanced Safety System with dedicated fuses for each section

. Rugged Industrial Construction, suitable for heavy-duty environments

Customization Options

. Original 24V Power Supply

. Industrial Metal Enclosure

. Adjustable Internal Timer

. SSR Module for 220V Output

Warranty & Support

All HAFFLER controllers are delivered with:

1-Year Warranty (Replacement Guarantee)

2-Year Extended Guarantee

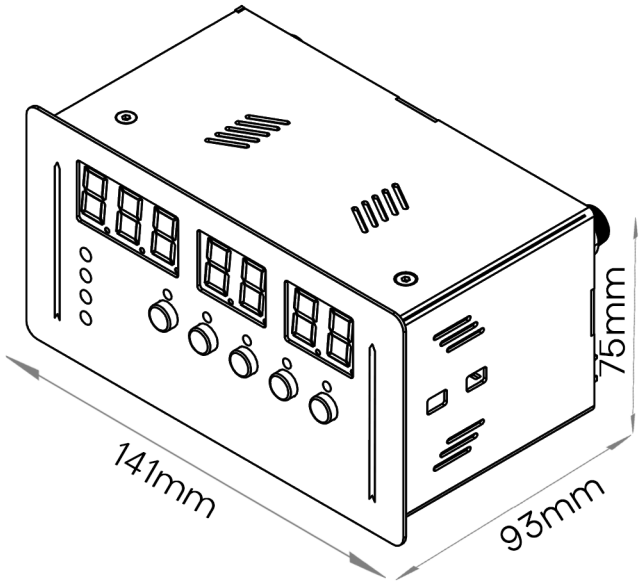
Contact and support

+989131697476 www.HAFFLER.com haffler.com@gmail.com

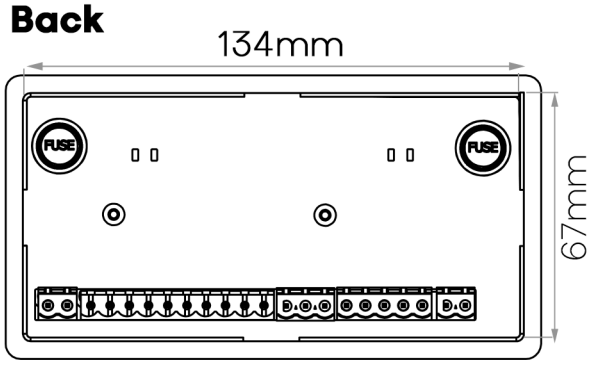
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Aug 2025 5 **Technical specifications datasheet** **Version. 1.0.0**

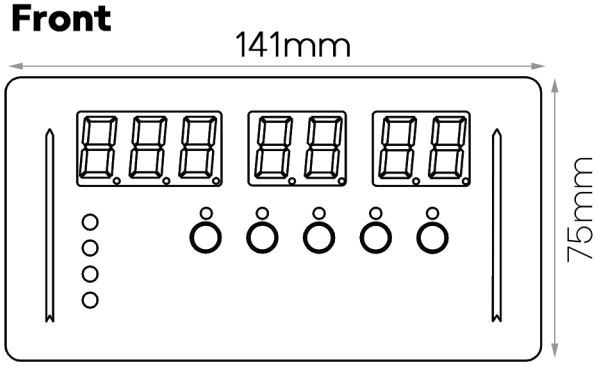
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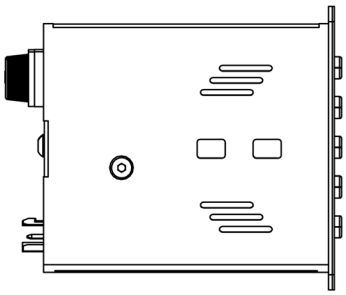
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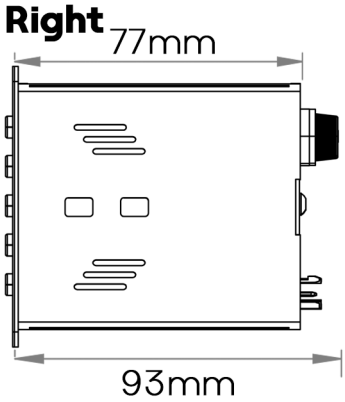
Front



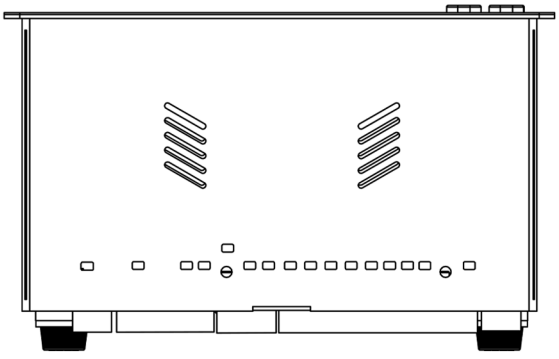
Left



Right



Bottom



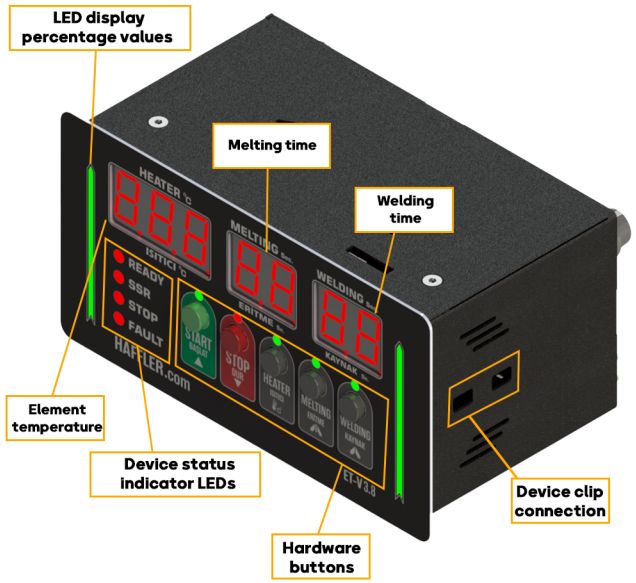
Size and dimensions	
Length	**141mm**
Width	**93mm**
Height	**75mm**
Weight	**800gr**

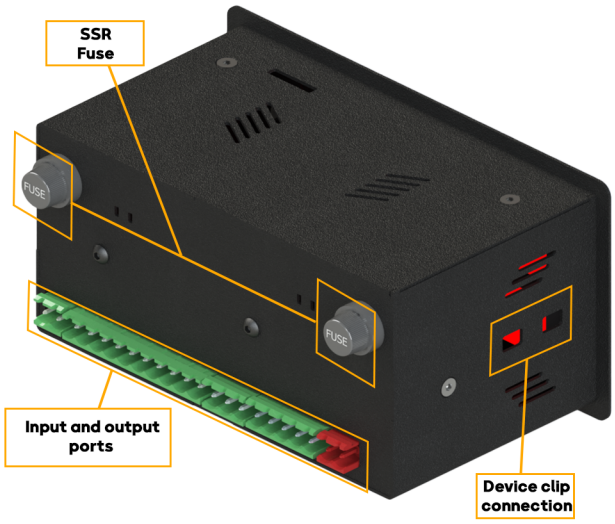
Contact and support

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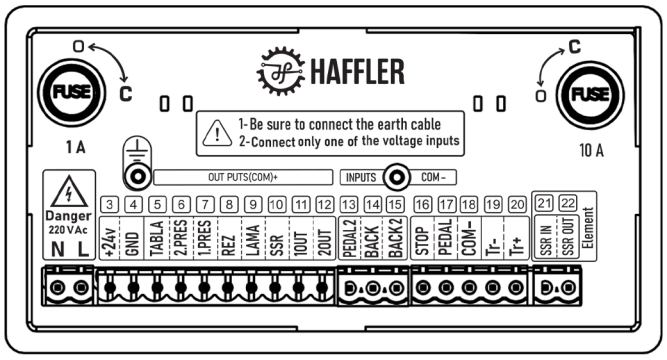
Technical specifications

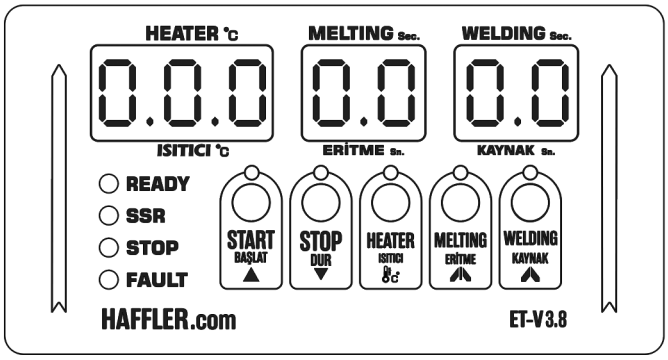




Technical specifications table	
Power Consumption (W)	115W
Operating Temperature Range	-10 °C to +80 °C
AC Supply Voltage Range	200V - 240V
DC Supply Voltage Range	24V
Input Current Range	800 mA AC / 4 A DC
Number of Hardware Buttons	10
Number of Inputs	5
Number of Temperature Sensor Inputs	1
Number of DC Outputs	8
Number of AC Outputs	1
Inductive Sensor Support	5
Display	Seven Segment
Communication Networks	WiFi
Features	Built-in Solid State Relay (SSR) Integrated Real-Time Clock (RTC) Custom Mode Settings Web-based Application Interface

HAFFLER ET-V3.8 Ports (output - input - sensors)





Ports information (back)	
N	AC Neutral Input
L	AC Live Input
+24v	V DC Output, Max 3 A 24
TBLA	Sliding Table
2.PRES	Left Pneumatic Cylinder
1.PRES	Right Pneumatic Cylinder
REZ	Heater Pneumatic Cylinder
LAMA	Mould Alignment Fixture
SSR	SSR Trigger
1OUT	Reserved Welding Output Pins – 0.2
2OUT	Reserved Welding Output Pins – 0.2
PEDAL2	Dual-Head Welding Pedal Input
BACK	Back Function Input
BACK 2	Dual-Head Welding Back Input
STOP	Emergency Stop Input
PEDAL	Pedal Input
COM-	Common Negative for Inputs Only
TR-	Thermocouple Positive Input (+)
TR+	Thermocouple Negative Input (−)
SSR IN	SSR Input
SSR OUT	SSR Output

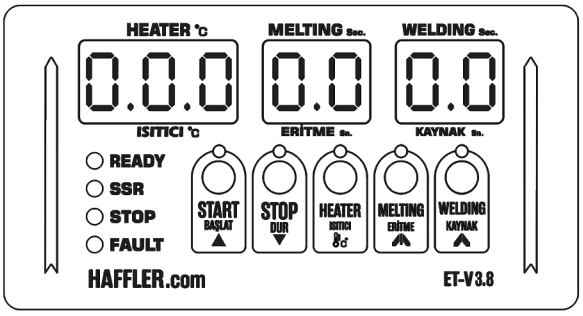
FUSE 1A	Power Supply Fuse
FUSE 10A	SSR Fuse
⏚	Earth (Ground) Connection Point

LED & Button`s information (Front)	
READY	Ready Status Indicator
SSR	SSR Operation Indicator
STOP	Emergency Stop Indicator
FAULT	Fault Indicator
HEATER	Heater Current Temperature
MELTING	Melting Time
WELDING	Welding Time
START Button	Start Button / Increment
STOP Button	Emergency Stop Button Decrement
HEATER Button	Target Temperature Adjustment
MELTING Button	Melting Time Adjustment
WELDING Button	Welding Time Adjustment

Contact and support

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Hardware Buttons Information

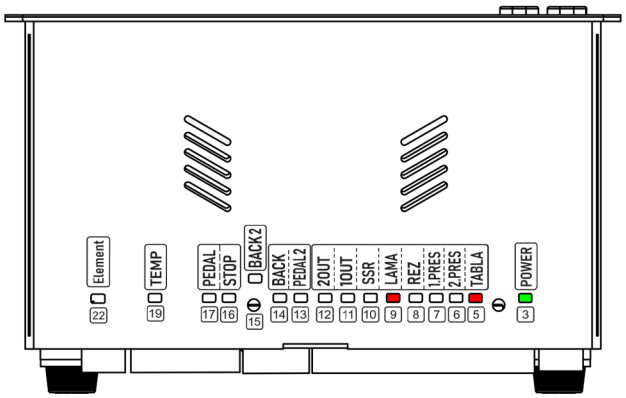


- **HEATER** This button is used to set the target temperature of the heater element.
After pressing this button, you can adjust the value using the Start button (to increase) and the Stop button (to decrease).
To confirm the selected value, press this button again.

- **MELTING** This button is used to set the melting time duration.
After pressing this button, you can adjust the value using the Start button (to increase) and the Stop button (to decrease).
To confirm the selected value, press this button again.
- **WELDING** This button is used to set the duration of the welding process.
After pressing this button, you can adjust the value using the Start button (to increase) and the Stop button (to decrease).
To confirm the selected value, press this button again.
- **START** This button initiates the process (equivalent to the pedal operation).
-STOP This button activates the Emergency Stop function, immediately halting all ongoing processes.

LED Indicators:

The device features two rows of LEDs positioned adjacent to each other: one row represents the input status and the other row represents the output status.
Output LEDs illuminate **red** when their corresponding outputs are active; otherwise, they remain off.
Input LEDs illuminate **green** when their corresponding inputs are active; otherwise, they remain off.
These visual indicators provide clear real-time status monitoring of the PLC's inputs and outputs.



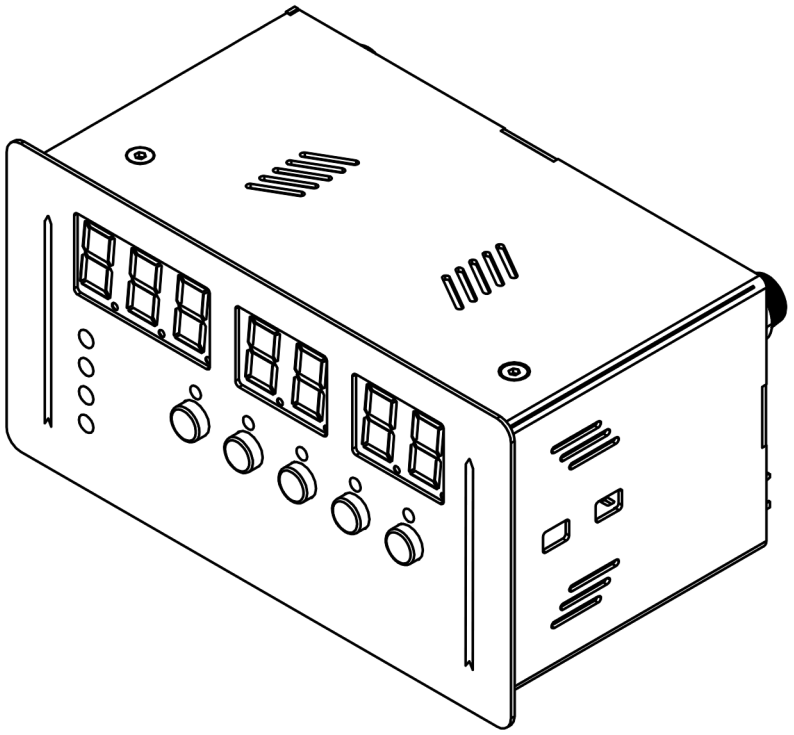
Web Application

Each unit is equipped with a dedicated web application, customized according to the specific operational requirements and client specifications.

Access to the web application is granted by connecting a mobile device or computer to the device's Wi-Fi network. The Wi-Fi SSID corresponds to the device model.

The default Wi-Fi password for all units is set to: **haffler.com**

Contact and support



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Product technical datasheet

V 1.0.0

Support links

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