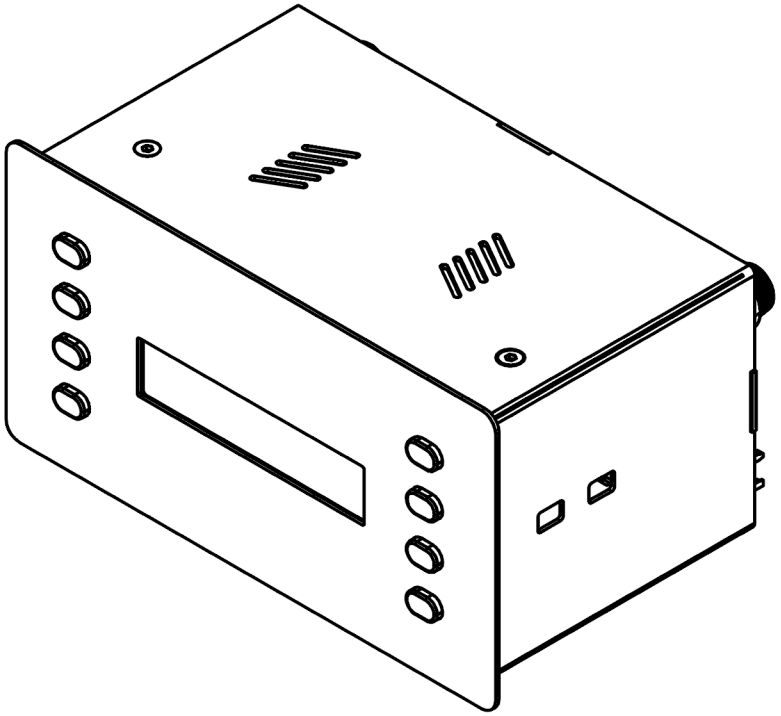


HAFFLER ET-V1

Product technical datasheet

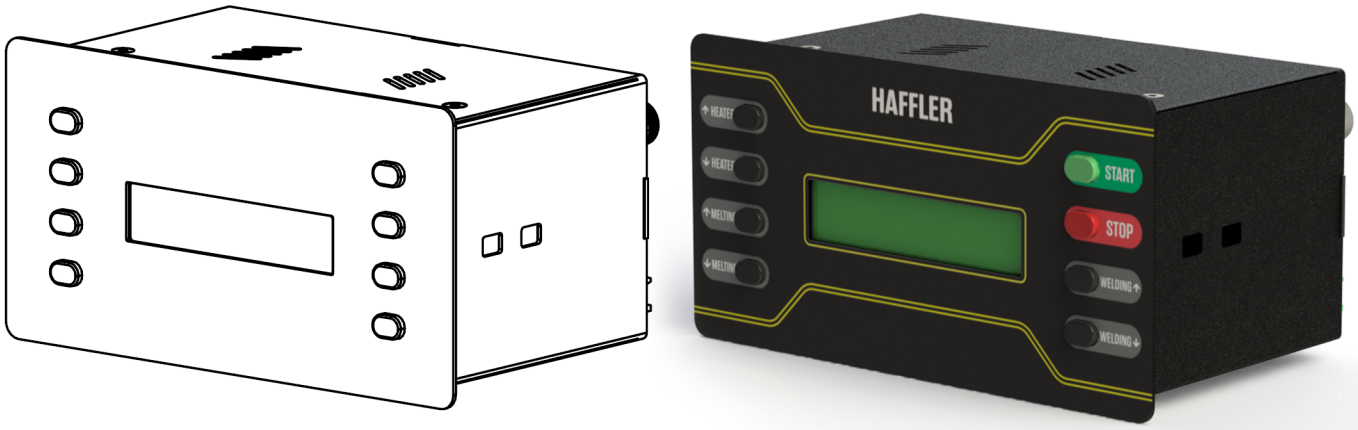
V 1.0.0

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HAFFLER ET-V1

PLC Controller – 8-Button Welding & Polishing Model ET-V1

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



PLC Controller – 8-Button Welding & Polishing Model ET-V1

The ET-V1 8-Button PLC Controller is a specialized industrial product, designed and manufactured by HAFFLER for precise control of welding and polishing machines.
This industrial-grade PLC controller, with support for single-head welding, double-head welding, and polishing operations, allows operators to manage machine performance with high speed and accuracy.

Key Features of ET-V1 8-Button PLC Controller:

- Equipped with LCD display featuring a simple and user-friendly interface
- PID temperature control support for stability and accuracy in welding processes
- Durable industrial design with metal enclosure and independent fuses
- Status LEDs for easy monitoring of machine operation
- Compatible with SSR module and built-in timer for precise scheduling
- Customizable with original 24V power supply and reinforced metal enclosure

Warranty & Service:

All ET-V1 8-Button PLC Controllers are supplied with:

2 years warranty

1 year guarantee (replacement assurance)

10 years after-sales service

These assurances guarantee durability, quality, and reliability in industrial applications.
With safe and stable performance, this PLC controller is a reliable alternative to foreign models, fully designed and manufactured in Iran to meet the diverse needs of various industries.

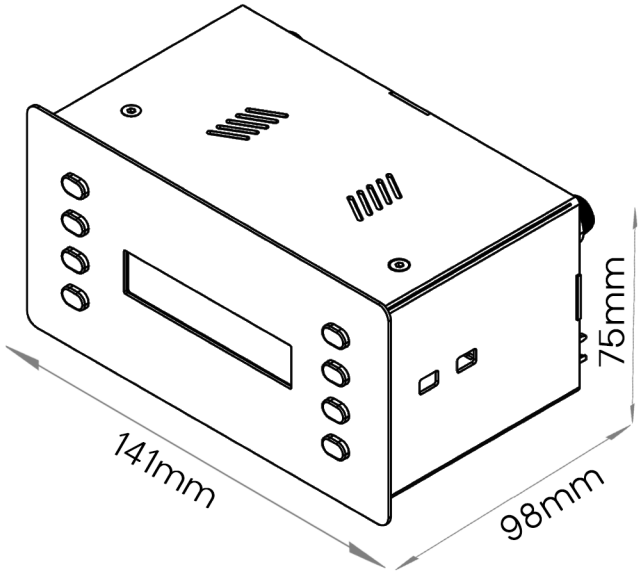
Contact and support

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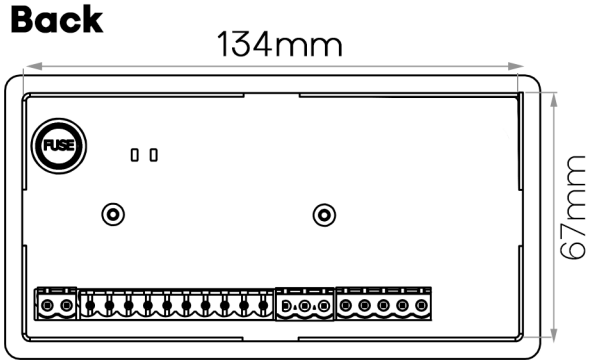
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Aug 2025 5 **Technical specifications datasheet** **Version. 1.0.0**

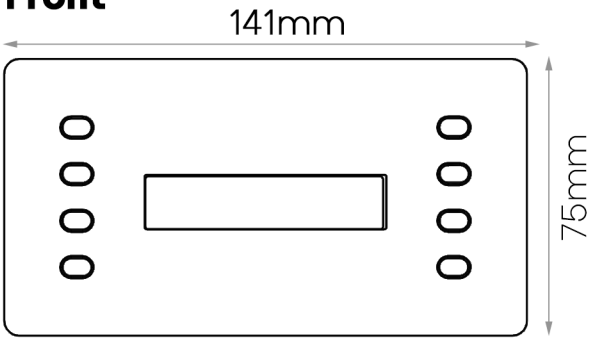
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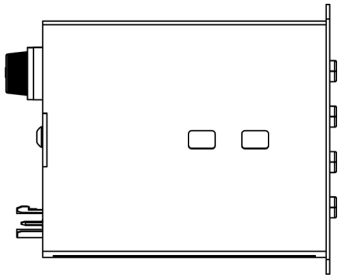
Back



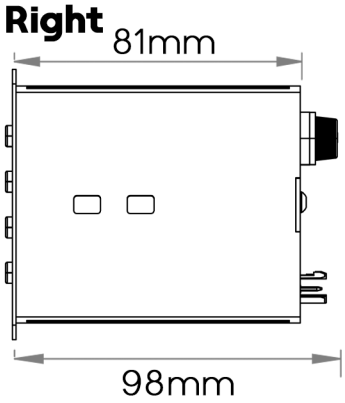
Front



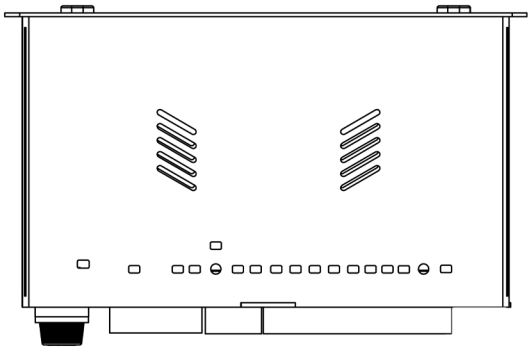
Left



Right



Bottom



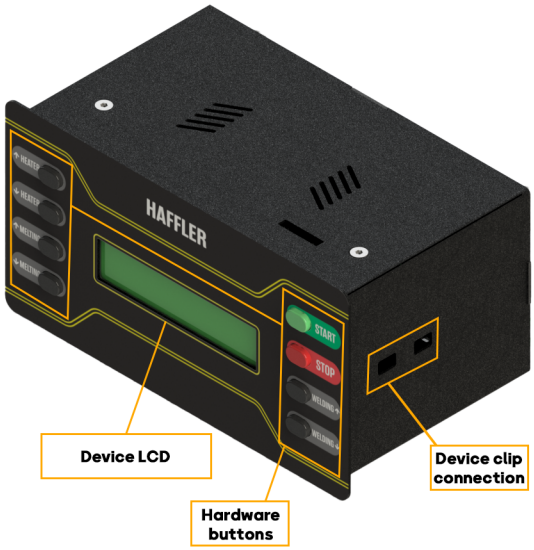
Size and dimensions	
Length	**141mm**
Width	**98mm**
Height	**75mm**
Weight	**800gr**

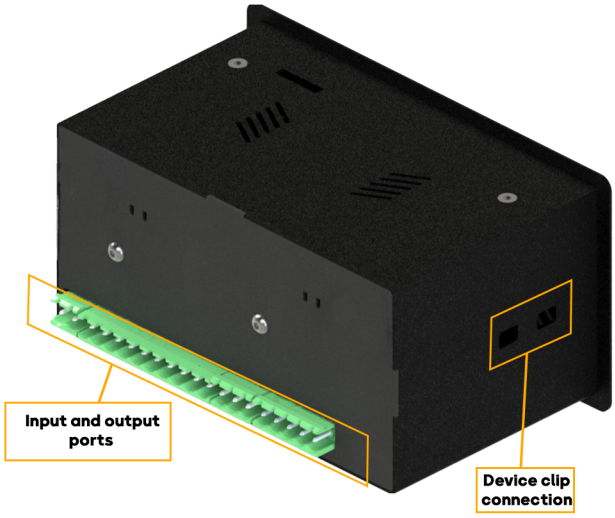
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HAFFLER ET-V1

Technical specifications



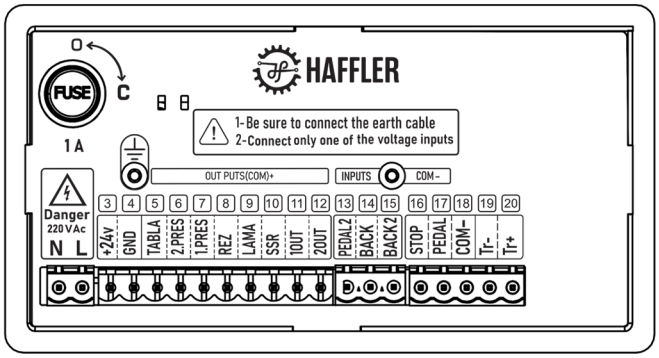


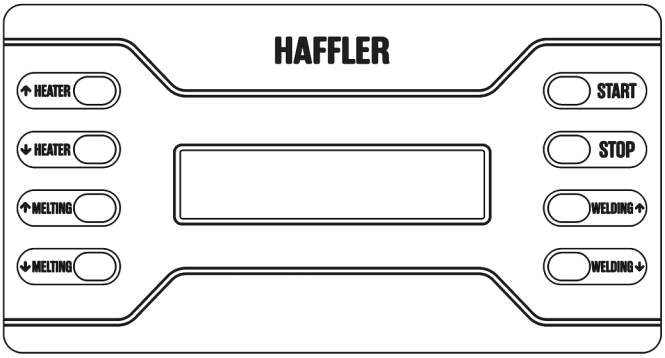
Technical specifications table	
Power Consumption (W)	115W
Operating Temperature Range	-10 °C to +80 °C
AC Supply Voltage Range	200V - 240V
DC Supply Voltage Range	24V
Input Current Range	800 mA AC / 4 A DC
Number of Hardware Buttons	8
Number of Inputs	4
Number of Temperature Sensor Inputs	1
Number of DC Outputs	8
Number of AC Outputs	1
Inductive Sensor Support	No Support
Display	LCD 2*16
Communication Networks	WiFi
Features	Integrated Real-Time Clock (RTC) Web-based Application Interface

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HAFFLER ET-V1 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 (−)
FUSE 1A	Power Supply Fuse
⏚	Earth (Ground) Connection Point

Button`s information (Front)	
HEATER ↑	Target Temperature Increase
HEATER ↓	Target Temperature Decrease
MELTING ↑	Melting Time Increase
MELTING ↓	Melting Time Decrease
WELDING ↑	Welding Time Increase
WELDING ↓	TWelding Time Decrease

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Hardware Buttons Information

This controller, specifically designed for single-head welding and polishing machines, is equipped with 8 functional buttons for precise and user-friendly operation.

Button Functions

- **Heater** (▲ / ▼)**:** Used to set and adjust the target heater temperature.

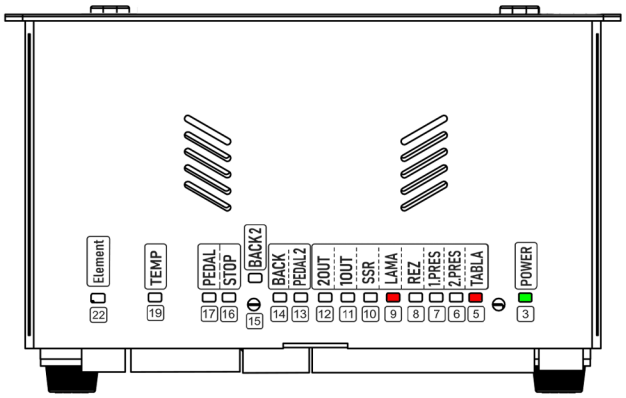
- **Melting** (▲ / ▼)**:** Used to set and adjust the melting time.

- **Welding** (▲ / ▼)**:** Used to set and adjust the welding time.

- **Start:** Initiates the welding/polishing process.

- **Stop:** Activates the Emergency Stop (E-Stop) function and halts all 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.

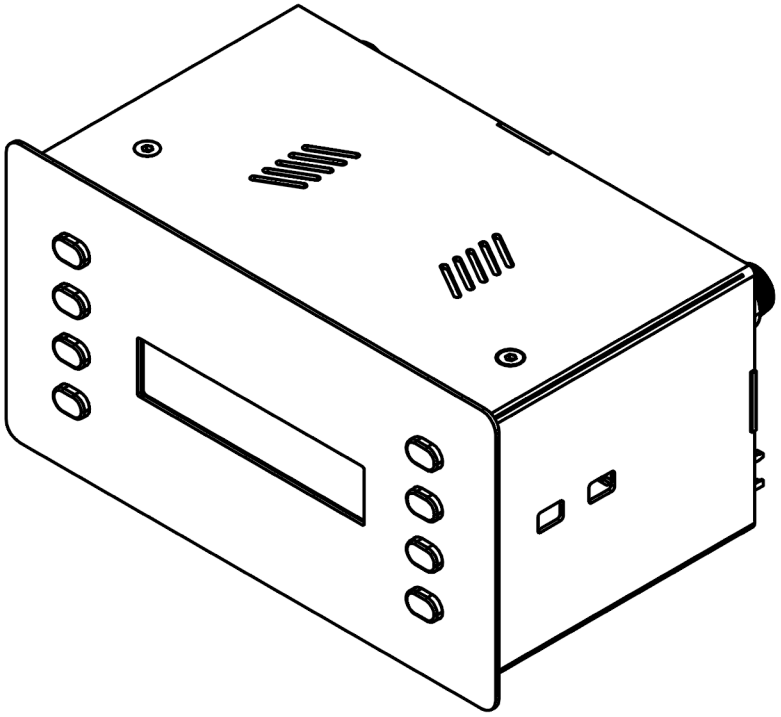


Web Application

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**



HAFFLER ET-V1

Product technical datasheet

V 1.0.0

Support links

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