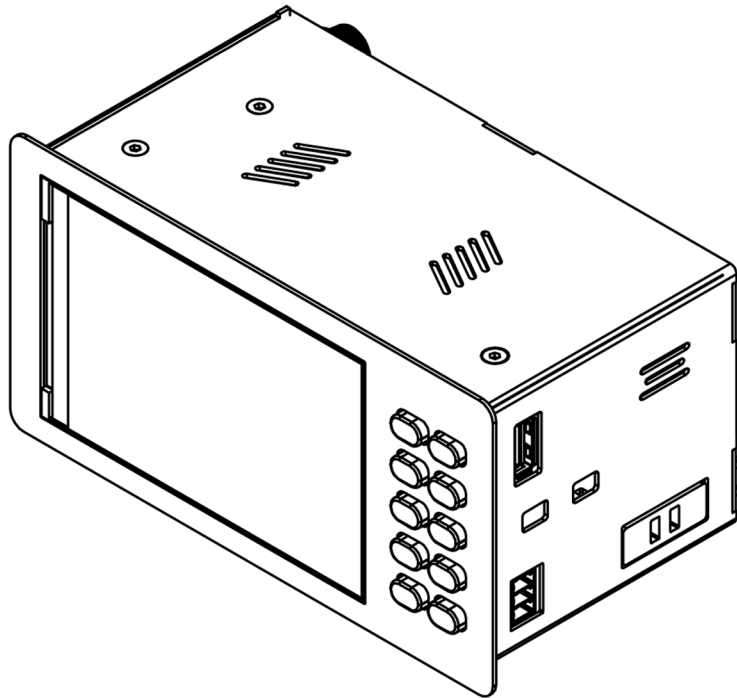




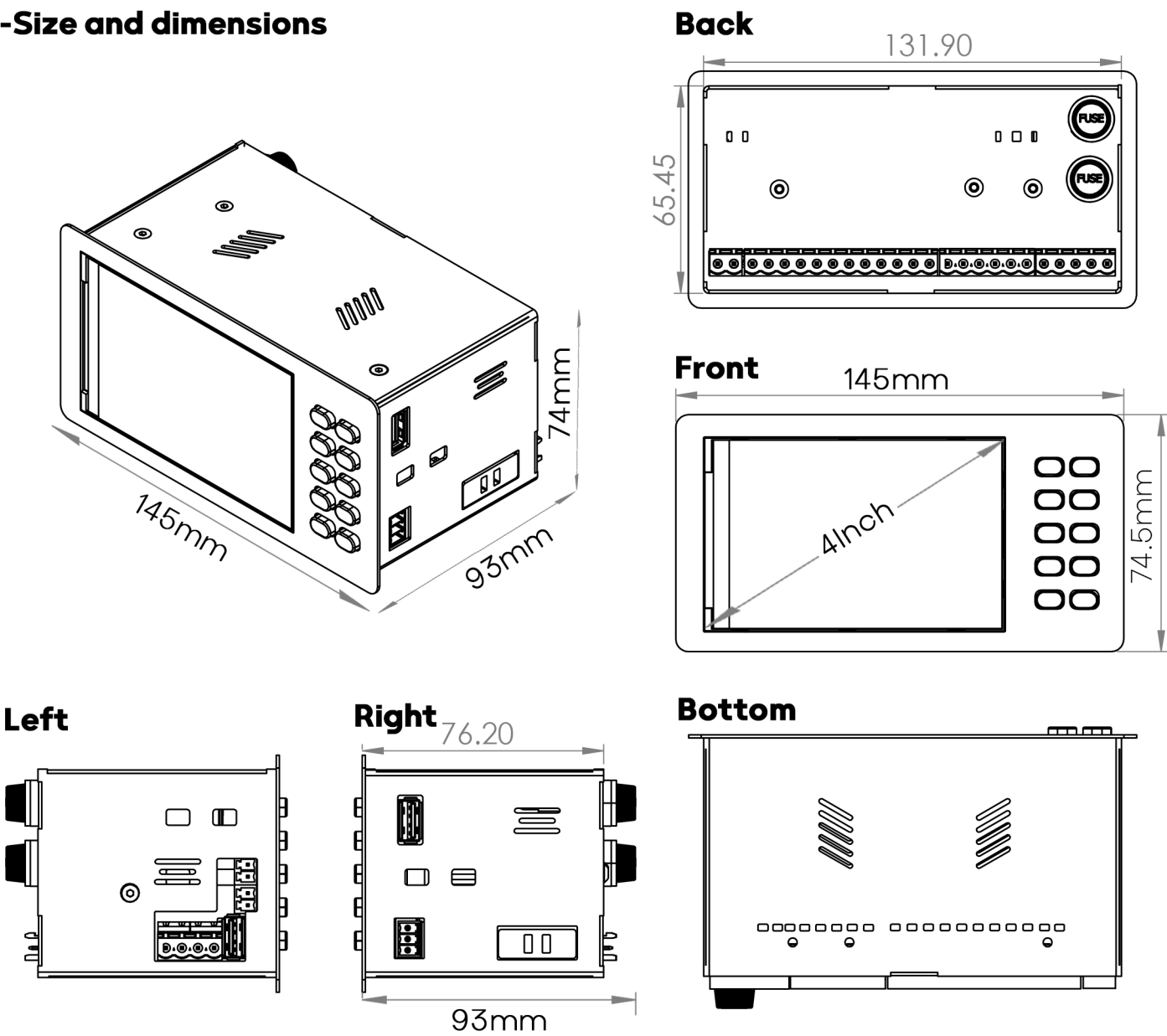
HAFFLER ET-V3A

Product technical datasheet

V 1.0.0

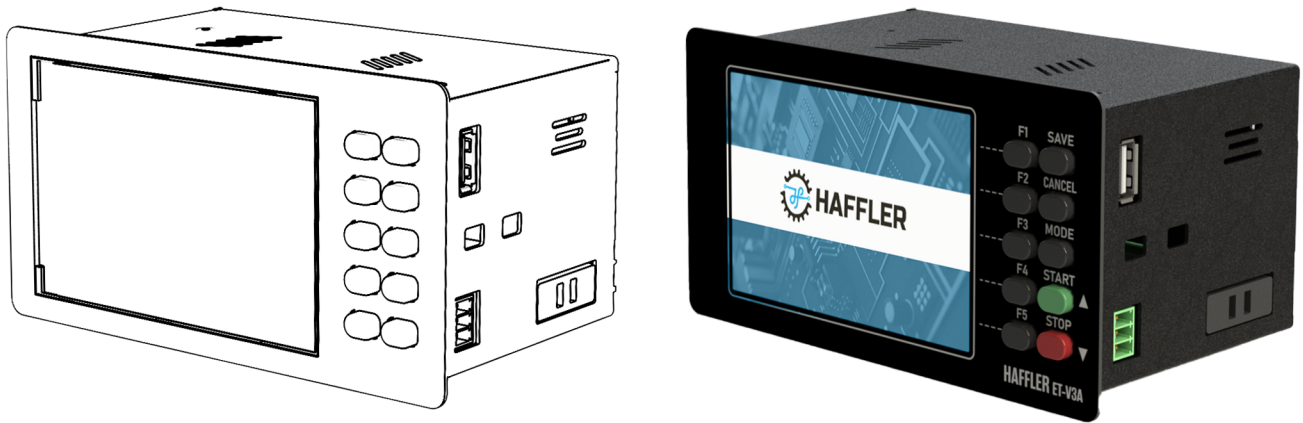
WWW.HAFFLER.COM

-Size and dimensions



Size and dimensions	
Length	145mm
Width	93mm
Height	74.5mm
Weight	800gr

Contact and support



ET-V3A Industrial PLC Controller

The Haffler ET-V3A is a compact yet powerful PLC controller designed for welding machines and UPVC industrial systems. Equipped with a color LCD touchscreen, 10 functional keys, and advanced I/O protection, it delivers precise control and reliable performance in harsh environments.

Highlights:

Dual AC/DC power input for industrial reliability

Isolated digital inputs and dedicated temperature sensor input

Protected outputs: 24V transistor + built-in 220V 10A SSR

Integrated PID controller for accurate temperature control

Wi-Fi & Bluetooth for remote access

Modern graphical UI for intuitive operation

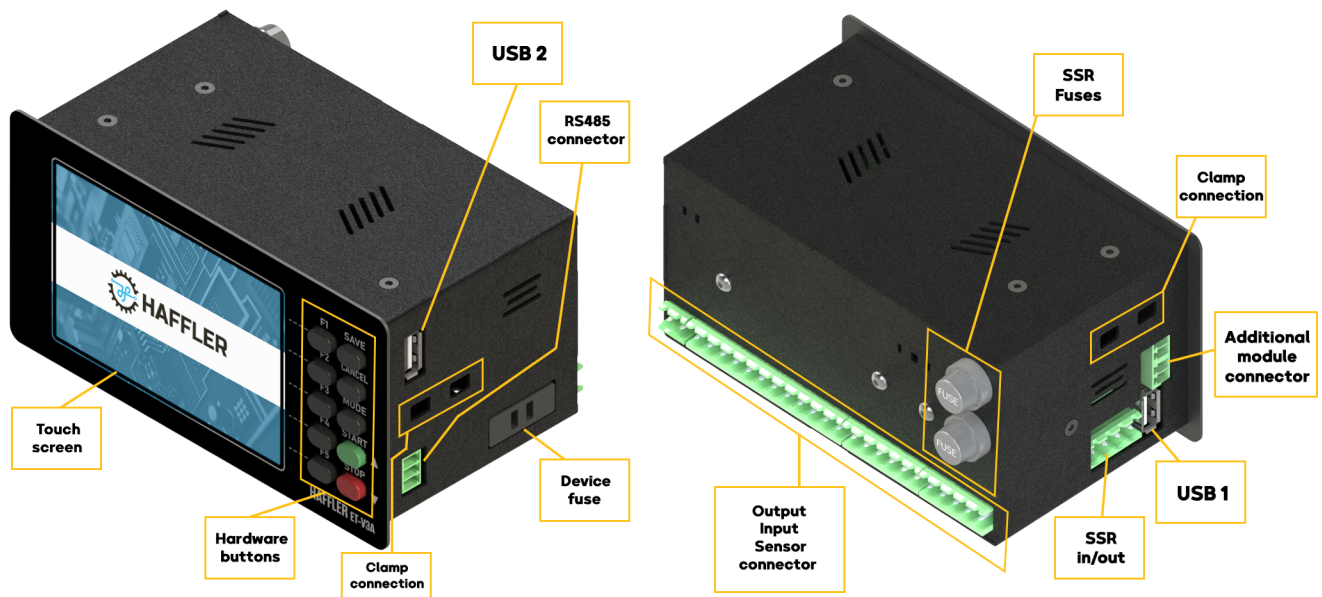
Optional: 24V power supply, metal case, built-in timer, and SSR module

Backed by 1-year warranty, 2-year guarantee, and 10-year after-sales support

Contact and support

HAFFLER ET-V3A

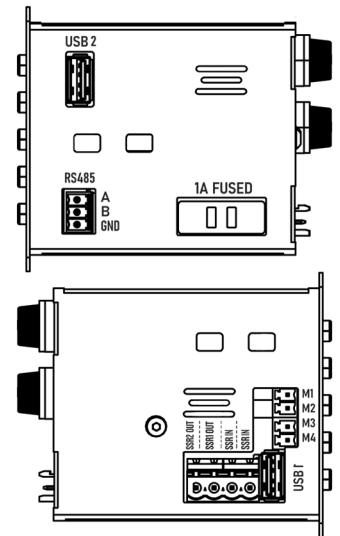
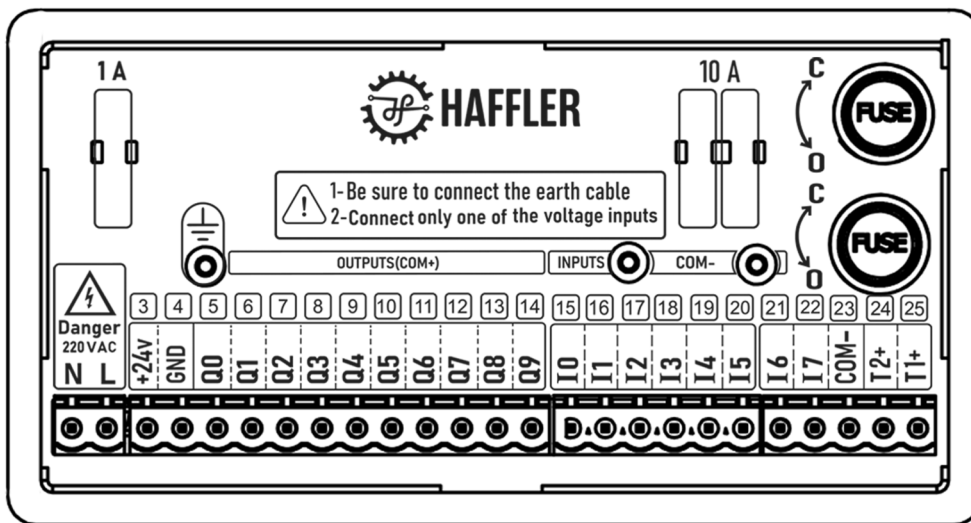
Technical specifications



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	8
Number of Temperature Sensor Inputs	2
Number of DC Outputs	10
Number of AC Outputs	2
Inductive Sensor Support	6
Display	4-inch TFT Capacitive Touchscreen
Communication Networks	WiFi, GSM Mobile Network
Features	Built-in Solid State Relay (SSR) Integrated Real-Time Clock (RTC) Expandable Sensor Support Custom Mode Settings Web-based Application Interface Support for RS485 Communication Protocol Two USB Ports

HAFFLER ET-V3A Ports (output - input - sensors)



Ports information (back)			
N	AC Neutral Input	I7	I7 Digital Input – Start
L	AC Live Input	COM -	Common Ground (GND)
+24v	V DC Output, Max 3 A 24	T2+	Thermocouple Inputs 2
GND	Ground (GND)	T1+	Thermocouple Inputs 1
Q0	Q0 DC Output	⏏	Earth (Ground) Connection Point
Q1	Q1 DC Output	FUSE	SSR Fuse 1
Q2	Q2 DC Output	FUSE	SSR Fuse 2
Q3	Q3 DC Output	Ports information (Right)	
Q4	Q4 DC Output	USB 2	USB Input
Q5	SSR1 Trigger - Q5 DC Output	RS485(A)	Non-inverting
Q6	Q6 DC Output	RS485(B)	inverting
Q7	Q7 DC Output	RS485(GND)	Reference ground
Q8	SSR2 Trigger - Q8 DC Output	1A FUSED	PLC Fuse 1 A
Q9	Q9 DC Output	Ports information (Left)	
I0	I0 Analog Input	M1	Module Input 1
I1	I1 Analog Input	M2	Module Input 2
I2	I2 Analog Input	M3	Module Input 3
I3	I3 Analog Input	M4	Module Input 4
I4	I4 Analog Input	USB 1	USB Input for IC Programming
I5	I5 Analog Input	SSR IN	SSR 1 Phase Input
I6	I6 Digital Input – Stop	SSR OUT	SSR 1 Output

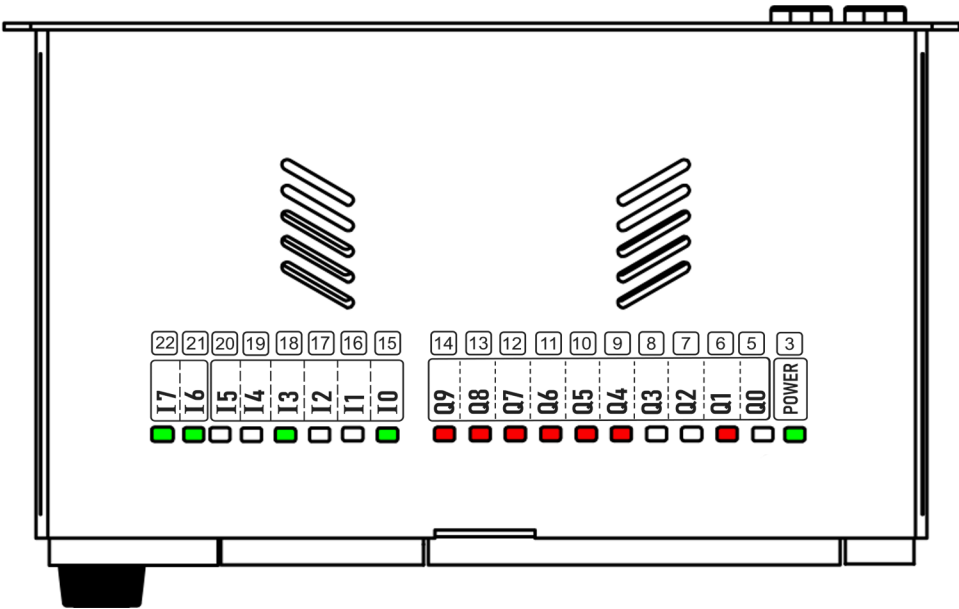
LED Indicators:

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