

# Dcoffee-H



**Dcoffee-H** is the dedicated kit for single-group coffee machines with coffee boiler and service management. It is available in two possible configurations: power and display, or power with a 3-key capacitive keyboard. The recommended interface is DTouch-0, DTI's solution with a 2.4" LCD. The device autonomously and automatically manages dispensing, while the control unit monitors boiler temperature and pressure, water presence, and the loads inside the coffee machine. Compact and easy to install, it can also be controlled remotely thanks to the **IoT solutions** developed by DTI.

## HIGHLIGHTS



Loading cycle with two level probe



Volumetric dispensing management



Steam-water dispensing management



Temperature control with PID algorithm



Advanced programming and scheduling

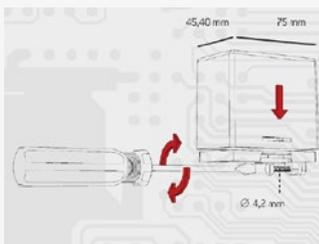


WEB platform

## TECHNICAL FEATURES

USCITE ALTA TENSIONE	Power supply	100 – 240 Vac 50/60 Hz
	Boiler heating element	Relay 10A/250Vac Resistive (auxiliary board)
USCITE BASSA TENSIONE	Boiler heating element	TRIAC (auxiliary board)
	Coffee pump	Relay 10A/250Vac Resistive – PID steam load control
INGRESSI BASSA TENSIONE	Fill solenoid valve 1	Relay 5A/250Vac Resistive – PID coffee load control
	Fill solenoid valve 2	Relay 5A/250Vac Resistive – Additional PID
	LED	Status/error indicator LED
	Buzzer	Audible alarm
	Uscita SSR 1 – coffee/water	Relay SSR   25 Amp   out 24-480 VAC   inp 4-32 VDC
	SSR output 2 – steam	Relay SSR   25 Amp   out 24-480 VAC   inp 4-32 VDC
	Level 1	Conductivity detection level probe
	Level 2	Conductivity detection level probe
	Tank level	Tank empty level input
	Boiler pressure	Pressure sensor/pressure switch
Boiler temperature 1	NTC probe	
Boiler temperature 2	NTC probe	
Lever/button	Input for coffee dispensing lever/button control	
	RS485	HMI + IOT

## TECHNICAL DRAWINGS



DTI COMPACT

DISPLAY