

The products of DCAD serie are suitable for the management of doses for machines with maximum 4 dispensers. They are easily usable with DTI keypads or with generic push buttons.

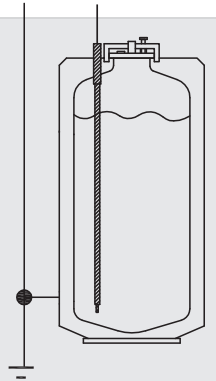


FUNCTIONS

Loading cycle of a boiler with time-out and one level probe:

The loading function regulates and controls the correct level of water in the boiler. If the level probe is not covered by water, then the pump and solenoid valve output are simultaneously activated. When the probe is reached by water, the pump and solenoid valve output are deactivated and remain switched off until the status of the probe changes again.

The loading function remains activated for a maximum of 150 seconds (so called time-out). After this period of time the pump and solenoid valve output are deactivated in order to protect the machine from eventual breaks or malfunctioning.



Dispenser management with Flow sensor ingress:

This function allows to analyse entering impulses and therefore communicates with all Flow sensors on the market.

It is moreover possible to accurately set the volume of the desired quantity to dispense. In fact once the impulses are memorized by the Flow sensor system, the following doses maintain the same volume.

Time dispenser management:

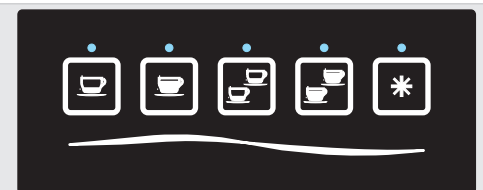
This function allows to memorize and dispense a time-dose with an accuracy of tenth of a second. Programmation is managed through "self-learning", therefore the setted dosage is maintained also for the following doses.

Hot water management:

The hot water function allows to have a dedicated set-point temperature and a dedicated output for hot water erogation. By the way this dose is easily settable.

Keypad management:

It's possible to connect maximum 4 keypads each of them can manage a specific output.



Stand-by management:

Consumes of electronic appliances and coffee machine when in stand-by now find regulation in the Eup Directive.

The Stand-by function allows to set the desired time after that the consumes of the machine are reduced.

Other functions:

easily settable, malfunctioning alarm flow sensor and two signal leds configurable.

TECHNICAL FEATURES

TECHNICAL FEATURES	DETAILS
Power Supply	230 Vac ± 10% 50/60 Hz 115 Vac ± 10% 50/60 Hz
High voltage Input	NP
High voltage Output	1 Principal single output - 16A / 250 VAC Resistive 4 Secondary single outputs - 5A / 250 VAC Resistive
Low voltage input	Level probe with conductivity detection Low voltage inputs 0-5V pulse input for flowmeter sensor
Low voltage output	2 Led output 1 audible alarm
Box dimensions	73,5 mm x 45,4 mm x 75 mm
Operating Conditions	0 ... +50°C with relative ambient humidity: 30 ... 85 % (no condensing)
Storage Conditions	- 20 ... + 80 °C, with relative ambient humidity: 30 ... 85 % (no condensing)
Box material	PVC V0
Connection type	male faston connector 6,3 male connector 2.54mm pitch
Assembly type	Panel fixing with a maximum diameter Ø 3,8mm

CONFIGURATIONS

DCAD D 5 1 0 0 0

MOUNTING

G - panel mounting
D - DTI Box 73,5x45,4x75 mm

TYPE OF POWER SUPPLY

1= 230 Vac 50/60Hz
2= 115 Vac 50/60Hz

OUTPUTS:

1. 1 relay output
2. 2 relay outputs
3. 3 relay outputs
4. 4 relay outputs
5. 5 relay outputs

VERSION:

0. dispenser + level regulator + resistance safety
1. only dispenser
2. dispenser pump + solenoid valve separated
3. dispenser pump + solenoid valve separated + level regulator

OUTPUTS CONFIGURATIONS:

0. 2 dispensers + auxiliar output
1. 1 dispenser + auxiliar output
2. 3 dispensers + auxiliar output
3. 4 dispensers + auxiliar output
4. 1 dispenser
5. 2 dispensers
6. 3 dispensers
7. 4 dispensers

USER INTERFACE CONNECTION:

0. keypad connection with flat (0-5v contacts)
1. Connection for serial communication, suitable for capacitive keypads.