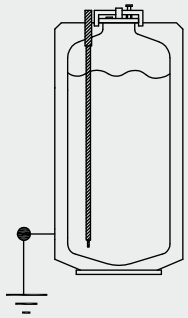
DCLDD2xxxx

Level Regulator

Compact and light product, it allows the water level monitoring inside the boiler. It actives pomp, solenoid valve or resistence and several functions. It depends on the choosen configuration.

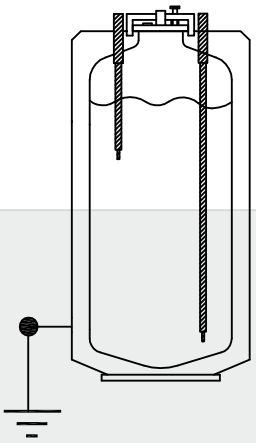
FUNCTIONS

Loading cycle of a boiler with one level probe:
The loading function regulates and controls the correct level of water in the boiler.
If the level probe in not covered by water, then the pump and solenoid valveoutput are simultaneously activated. When the probe is reached by water, the pump and solenoidvalveoutputare deactivated and remain switched off until the status of the probechanges again.



Loading time-out:
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.

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 in not covered by water, then the pump and solenoid valveoutputare simultaneously activated. When the probe is reached by water, the pump and solenoidvalve outputs 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



Loading cycle of a boiler with time-out and double level probe (minimum/maximum):
The loading function regulates and controls the correct level of water in the boiler.
The pump and solenoid valve output are activated whenever the minimum level probe is not covered by water and they remain activated until the maximum level probe is reached by water.
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 outputare deactivated in order to protect the machine from eventual breaks or malfunctioning.
In addition to the regulation of the pump, also the resistance is managed: it is activated if the minimum level probe is covered and deactivated if not. If the time-out period expires also the resistance is switched off.

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	Principal single output - 16A / 250 VAC Resistive
	Secondary single outputs
Low voltage input	Level probe with conductivity detection
	Low voltage inputs 0-5V
Low voltage output	Led output
	audible allarm
Bow 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

CONFIGURATION

DCLD D 2 1 0 0 0

OUTPUT TYPE
2= 1 Principal relay 16 A 250 Vac Resistive + 1 secondary relay 5A 250 Vac Resistive
3= 1 Principal relay 16 A 250 Vac Resistive + 2 secondary relays 5A 250 Vac Resistive

POWER SUPPLY TYPE
1= 230 Vac 50/60Hz
2= 115 Vac 50/60Hz

LEVEL MONITORING TYPE
0= 1 level probe
1= 2 level probes MIN-MAX
2= 2 divided level probes
3= level probe + digital input

FUNCTION TYPES
0= Resistence-pump with time-out
1= Pompa-SV with time out
2= Resistence-pumo without time-out

TIME OUT
0= 150 seconds
1= 300 seconds
2= 480 seconds
3= 600 seconds