

HYterm DR100



DR100 is an expanding module designed for the control of the recirculation tank of adiabatic system integrated on finned pack heat exchangers; suitable to be combined with the regulator DT400 and DS400.

MAIN FEATURES

Cloud service

Thanks to the combination with DT400 and DS400 this device can send all process data to the HyCloud platform, thus allowing the remote monitoring and assistance of the heat exchanger, wherever this may be installed.

Plug and play

Suitable for the use with high and low pressure spray adiabatic systems and evaporative panel systems.

Modern

Basing on a modern platform, equipped with a last generation processor, it allows to upgrade the FW in a very simple and intuitive way through the integrated USB port.

Flexible

Thanks to the regulator DT400 and a carefully developed Firmware, this device adapts easily to any operational conditions, allowing the configuration and the programming of the analogue and digital I/O.

Pump protection function

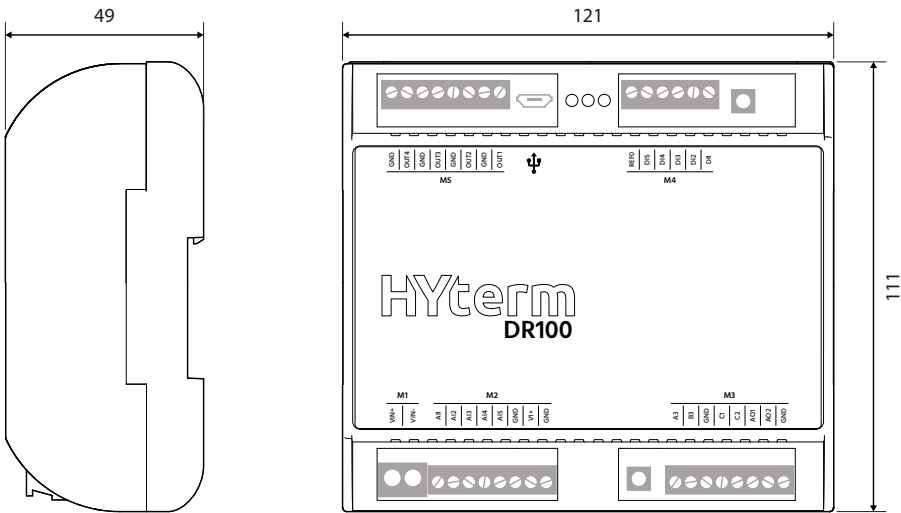
Thanks to the built-in tank level sensor, it avoids the pump activation when the tank is empty.

Water Saving function

The integrated water conductivity measurement in the recirculation tank reduces the number of discharges needed to maintain peak system efficiency.

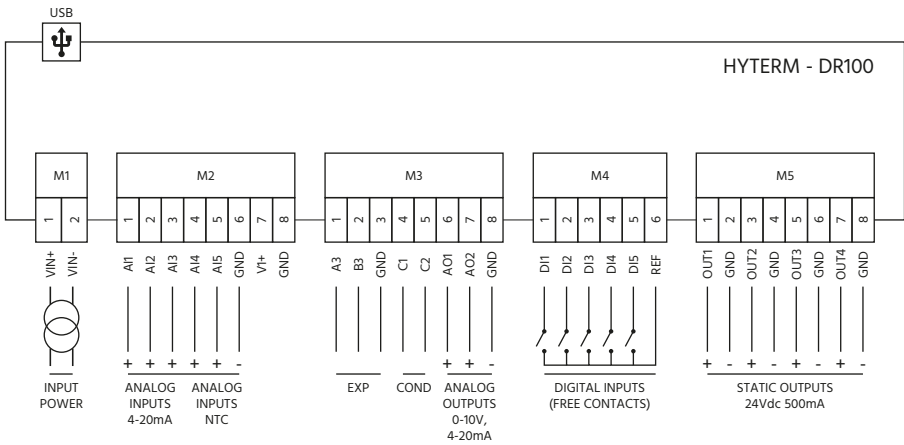
ADVANTAGES

- It autonomously manages the tank's filling and emptying cycles, coordinating with the ventilated unit and adiabatic system regulation.
- Thanks to the App Hyco it simplifies the interaction man-to-machine.
- It can be customized for specific applications.
- It can monitor the environment temperature and humidity.
- Thanks to the optional instrumentation can monitor water pH and hardness.
- It comes with the conductivity sensor and the level sensor.
- It's manufactured with high quality components and has 24 months guarantee.



TECHNICAL DATA	Power supply	24Vac ± 10% 50/60Hz 20 ÷ 32Vdc
	Power consumption	20VA
	Terminal block	Screw plug-in connectors pitch 3,81 (Signal)
	Cable cross-section	min 0,5 mmq ÷ max 2,5mm² min 20 AWG Cu ÷ max 14 AWG Cu
INPUTS/OUTPUTS	Analogue inputs	3 inputs 4-20mA 2 inputs NTC
	Digital inputs	5 digital inputs (dry contact) All inputs can be configured NO or NC
	Analog outputs	2 analogue outputs 0-10V (max 20mA), 4-20mA
	Static digital outputs	4 static outputs 24Vdc 500mA
	Conductivity	1 input max conductivity 2000µS/cm
CONN.	Serial line	Serial line (Communication with con DT400)
	USB	Micro USB

ENCLOSURE	Mounting	On a DIN rail according to DIN 43880 CEI EN 50022
	Material	PC/ABS
	Dimensions	121 × 111 × 49 mm
	Weight	250 g
	Color	Grey RAL 7035 + Blue RAL 5014
OPERATING CONDITIONS	Operating temperature	-20 ÷ 60°C – Rh max 85% non-condensing
	Storage temperature	-35 ÷ 85°C – Rh max 85% non-condensing
	Vibrations	Vibrations < 1g (9,8ms2)
	Degree of protection	IP20
STANDARD	Compliance	2014/30/UE (EMC – Electromagnetic compatibility)
	Technical Standard	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4; EN 55014-1, EN 55014-2



PRODUCT	DESCRIPTION	CODE
DV100	Adiabatic for recirculation tank 24V 50/60Hz IP20	10.020.00.0000