

HYterm DV100



DV100 is an expanding module designed for the control of the three-way valve integrated on finned pack heat exchangers; suitable to be combined with the regulator DT400 .

MAIN FEATURES

Cloud service

Thanks to the combination with DT400 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.

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

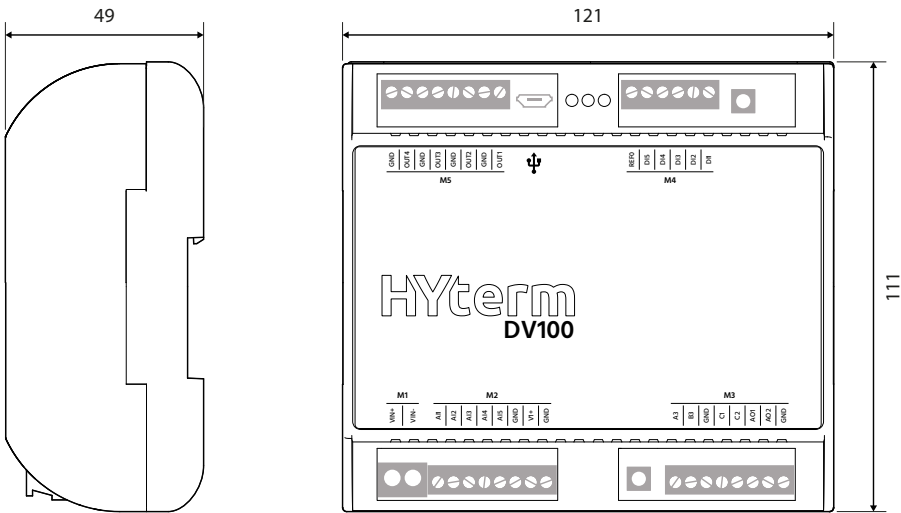
Thanks to the regulator DT400 and a carefully developed Firmware, this device adapts easily to any operational conditions, allowing the configuration and the programming of the analogue and digital I/O.

Anticondensation mode function

It maintains a constant water temperature for the Data Halls by modulating the opening of the three-way valve.

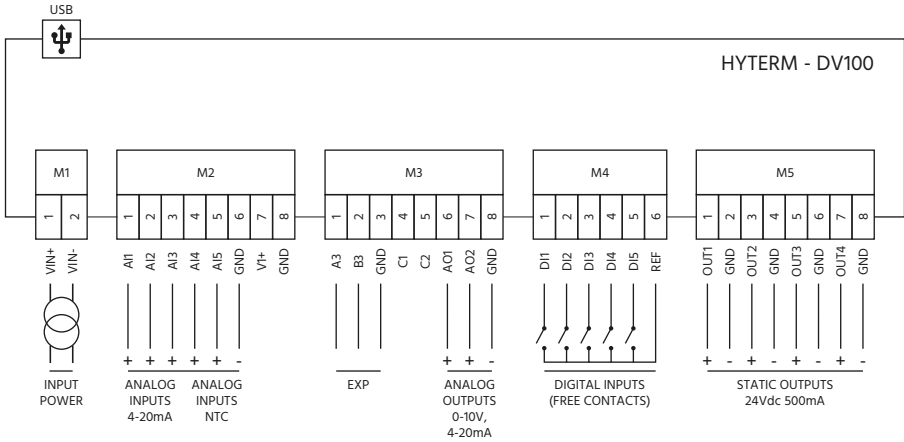
ADVANTAGES

- Using carefully developed control algorithms, DV100 maximizes energy savings.
- It allows the manual activation of the three-way valve to allow the maintenance operations.
- It can be customized for specific applications.
- It's manufactured with high quality components and has 24 months guarantee.



TECHNICAL DATA	Power supply	24Vac $\pm$ 10% 50/60Hz 20 $\div$ 32Vdc
	Power consumption	20VA
	Terminal block	Screw plug-in connectors pitch 3,81 (Signal)
	Cable cross-section	min 0,5 mmq $\div$ max 2,5mm ² min 20 AWG Cu $\div$ 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
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 $\times$ 111 $\times$ 49 mm
	Weight	250 g
OPERATING CONDITIONS	Color	Grey RAL 7035 + Blue RAL 5014
	Operating temperature	-20 $\div$ 60°C – Rh max 85% non-condensing
	Storage temperature	-35 $\div$ 85°C – Rh max 85% non-condensing
	Vibrations	Vibrations < 1g (9,8ms2)
STANDARD	Degree of protection	IP20
	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 three-way valve 24V 50/60Hz IP20	10.019.00.0000