

# HYterm SC400



SC400 is an expanding module designed for the control of adiabatic system integrated on finned pack heat exchangers; suitable to be combined with the regulator FC400.

## MAIN FEATURES

### 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.

### “All in One” Solution

It allows the control of high and low pressure spray adiabatic systems and evaporative panel systems in a one solution

### Hygienic procedure

At regular intervals of time, configured by the user, the device activates automatically the adiabatic system, in order to avoid water stagnation inside the tubes.

### Cloud service

Thanks to the combination with FC400 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.

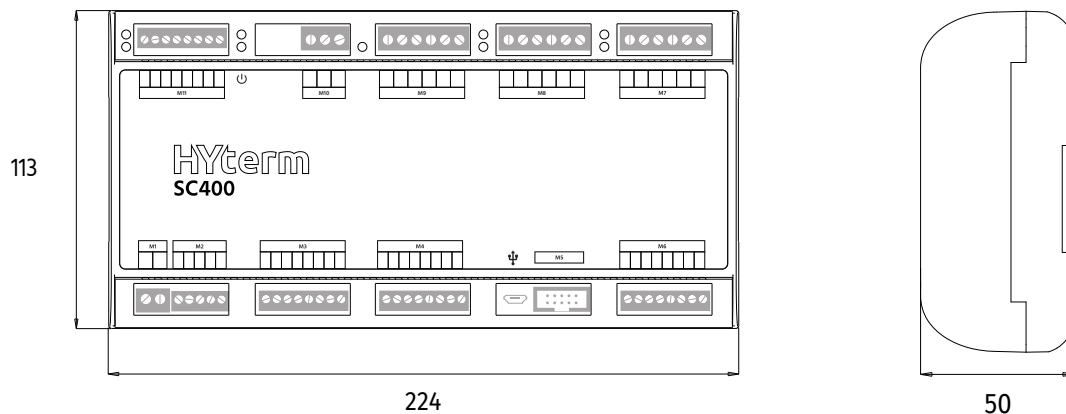
### Flexible

Thanks to the regulator FC400 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.

## ADVANTAGES

- Using carefully studied regulation algorithms, SC400 can optimize the savings of energy or water, at convenience.
- It simplifies the interaction man-to-machine.
- It allows the manual activation of the spray function, in order to enable the maintenance operations.
- It can be customized for specific applications.
- It's manufactured with high quality components and has 24 months guarantee.

# SC400



## 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) Screw plug-in connectors pitch 5 (Relays)
Cable cross-section	min 0,5 mmq $\div$ max 2,5mm <sup>2</sup> min 20 AWG Cu $\div$ max 14 AWG Cu

## INPUTS/OUTPUTS

Analogue inputs	4 configurable inputs (0-5V, 0-10V, 0-20mA 4-20mA, NTC) 2 inputs 0-10V
Digital inputs	7 digital inputs (dry contact) All inputs can be configured NO or NC
Analog outputs	2 analogue outputs 0-10V max 20mA
Digital Outputs	7 digital outputs (changeover contact 250V 3A) All outputs can be configured NO or NC
Static digital outputs	4 static outputs 24Vdc 500mA

## ENCLOSURE

Mounting	On a DIN rail according to DIN 43880 CEI EN 50022
Material	PC/ABS
Dimensions	224 $\times$ 113 $\times$ 50 mm
Weight	500 g
Color	Grigio RAL 7035

## CONN.

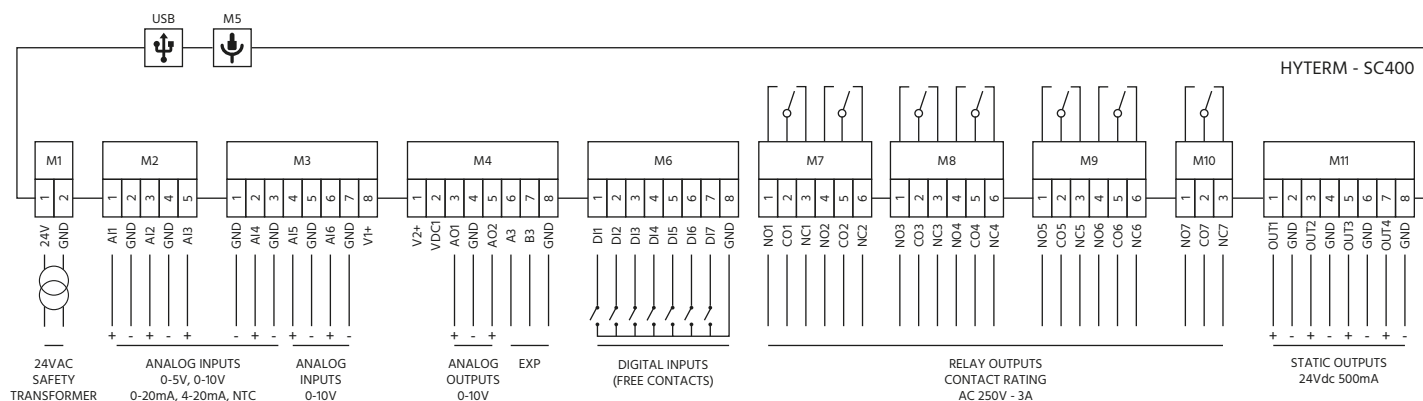
Serial line	Serial line (Communication with FC400)
USB	Micro USB

## OPERATING CONDITIONS

Operating temperature	-20 $\div$ 50°C – Rh max 85% non-condensing
Storage temperature	-35 $\div$ 85°C – Rh max 85% non-condensing
Vibrations	Vibrations < 1g (9,8ms <sup>2</sup> )
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

SC400

## DESCRIPTION

Adiabatic expansion 24V 50/60Hz IP20

## CODE

10.002.00.0000

## Hyterm S.r.l.

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