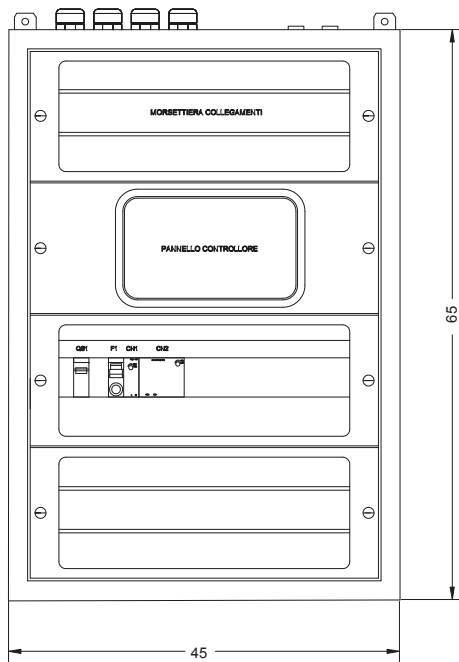
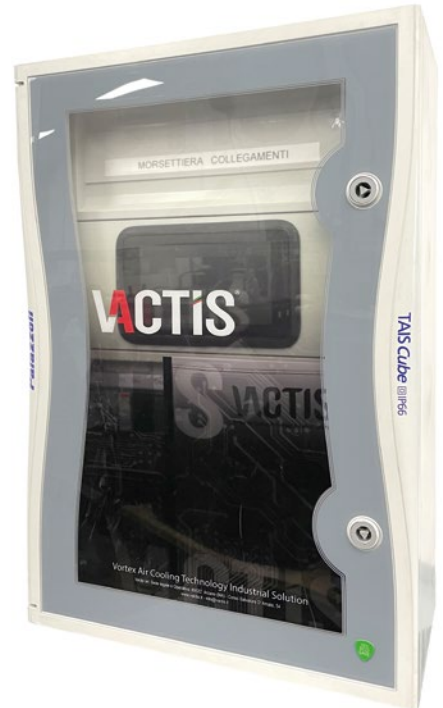


Model	RADI 400/3	Voltage	220/240 Volt 50 Hz	Weight	10 kg
Series	QERG VACTIS	Power	100 W	Total dimensions	45x60x20 cm

MANAGEMENT BOARD



FRONT VIEW



OPEN VIEW



Product description

In every free-cooling system and/or room temperature control system, there is the need to effectively and functionally manage the activation and deactivation of the resources installed to reach the desired temperature point.

The VACTIS control panel is precisely designed to perform total control of the desired room temperature, managing all the devices connected to it in the most effective way possible. The result is considerable energy savings.

Since the device can be CUSTOMISED, it can be connected to systems with ANALOGUE/DIGITAL or modBUS device control and can be powered either at 48 Vdc or 220/240 Vac.

The operating logic is performed according to a studied and patented algorithm with the possibility of setting the operating variables according to one's own requirements..

The operating variables that can be set are:

- SET POINT T° DESIRED;
- PROPORTIONAL BAND FOR CONTROL LOOP AND DEVICE MANAGEMENT;
- MAXIMUM OUTDOOR TEMPERATURE FOR OK FREE COOLING;
- MINIMUM OUTDOOR TEMPERATURE FOR OK FREE COOLING;
- MAX EXTERNAL HUMIDITY FOR KO FREE COOLING;
- FREE COOLING FAN MODULATION RANGE (min 1 Vdc / max 10 Vdc);
- T° DIFFERENTIAL FOR AIR CONDITIONERS SWITCHING ON ON TEMPERATURE RAMP;
- T° DIFFERENTIAL FOR SWITCHING OFF CONDITIONERS WITH REFERENCE TO THE INTERVENTION POINT;
- FAN MANAGEMENT WITH UP TO 8 DEVICES;
- MANAGEMENT OF AIR CONDITIONERS WITH UP TO 6 DEVICES;
- MEDIUM TEMPERATURE MANAGEMENT WITH UP TO 5 MEASUREMENT POINTS;
- WELLNESS FUNCTION;
- HIGH ROOM TEMPERATURE SIGNALLING ON MEASURED T° VALUE;
- ETH MODULE COMMUNICATION PARAMETERS;

The control system can also block the operation of all devices connected to it in case of FIRE and FLOOD transmitted on digital contacts input by field devices.

The alarm management of the connected devices is reported on outgoing digital contacts for transmission to the room alarm management centre.

Alarm communication to the field management centre is performed on two separate relay contacts: Serious alarm and LIEVE alarm.

For the management of the generated alarms, a classification table is provided where the cumulative alarms belonging to the type of alarm generated are specified.

The system is equipped with a local 7" HDMI touch control panel for interaction with the operator but, by configuring the modBUS IP communication parameters to the local LAN network, it can also be easily managed remotely.

Product information

Power supply:	220-240V/1F/50Hz / 48 Vdc +-10%
Maximum power consumption:	100 W
Maximum current consumption:	0, 3 A 8
Number of fans:	ModBUS / 0 / 10 Vdc analogue
Fan control:	2 (standard); 5 (optional on request)
Indoor air probes	Integrated
External air humidity probe:	5
Operating temperature:	- 55 °C
Installation:	Wall-mounted
Control and regulation:	PLC
PLC redundancy:	PLC with dual Keep Alive processors
Digital output alarms:	Yes
Well-being button management:	Yes
Event log memory:	Yes
Stop contact in case of FIRE:	Yes
Stop contact in case of FLOOD:	Yes
Remote ON/OFF:	Yes
ON/OFF of room air conditioners	Yes
Alarm management for room air conditioners:	Yes
Air conditioners managed with digital I/O:	4
Air conditioners managed with rs485:	6
Manual force command digit.INPUT:	Yes
Operating logic:	Climate Controlled
User interface:	Colour touch screen display with screen saver
Communication:	RS485 / Modbus IP master/slave
Degree of protection:	IP43 BM*
Machine size:	45x60x20 cm
Weight:	10 kg