QUICK START GUIDE

Nr. release: Rev. 01 27/12/18

Versione Software 4.23

Sommario

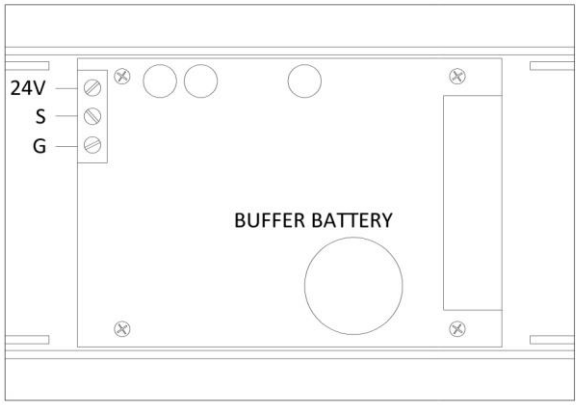
QUICK MAIN INSTRUCTIONS

Installation

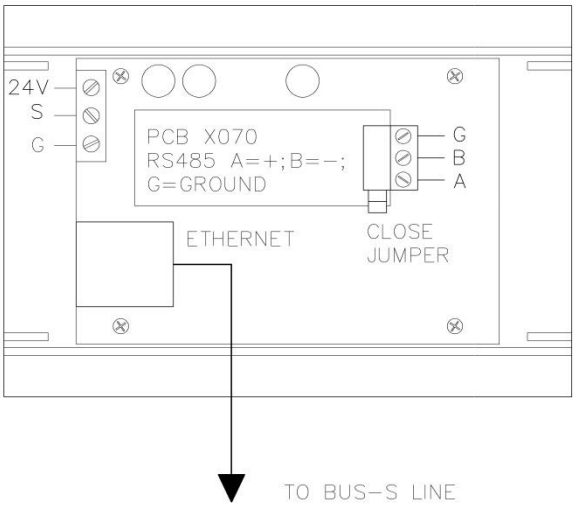
Expert staff must carry out installation. For the best operation, the remote panel must be fixed to an indoor wall about 1.5 m above the floor, far from heating sources (radiators, stoves, etc.), and must be not exposed to direct sun rays. It must be not install near doors, which might damage the electronics if slammed. The unit to work needs the main supply and the wiring of control panel (see wiring diagram).

Control panel wiring

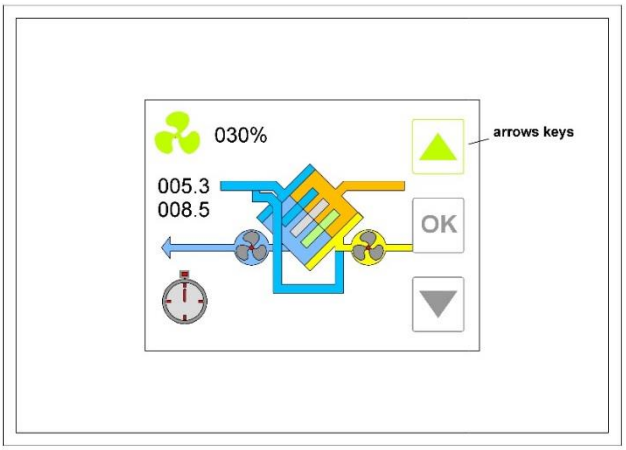
Connect the power supply low voltage from the electronic card in the main cabinet to the 24V and G terminals, matching the correct polarity. Connect the BUS to the S terminal. Using a min. 0.3 mm2 section shielded cable is recommend. In case of communication errors, check the connections between the remote panel and the electronic card. For panel with Modbus tcp-ip connect the Ethernet cable in the connector, with rs485 additional card use 3x0,3 mm2 shielded cable. After done the connections, from the main screen is possible to set, through the fan symbol in the upper left, the desired speed. In percent for modulating fans, numeric for 3-speed machines. In the bottom right on the main mask there is a thermometer icon. It is the temperature desired in the environment (modifiable). For all the other functions, refer to user manual.



Remote panel: rear view



Connection Tcp-ip \Rs485 additional card



Main mask: regulation fan speed

Control characteristics

Power: 9 / 30 VDC 250mW, operating temperature between 0° and 50 °C; storage temperature between -20 °C and 70 °C.

QUICK MAIN INSTRUCTIONS POST TREATMENT

The units can be equipped with post electric or water treatment externally installed. In these cases, must be realized the connections of the probes placed on the element (from the factory) and of any actuator commands to the DIN terminals (if present), or directly on card (see wiring diagram of the unit).

Input probe (Ti)

For both water and electric treatment, the inlet probe inside the machine must be disconnected from the 24-G terminals (AN1-GND card) and the one already mounted on the post element must be connected.

Water probe (Tw)

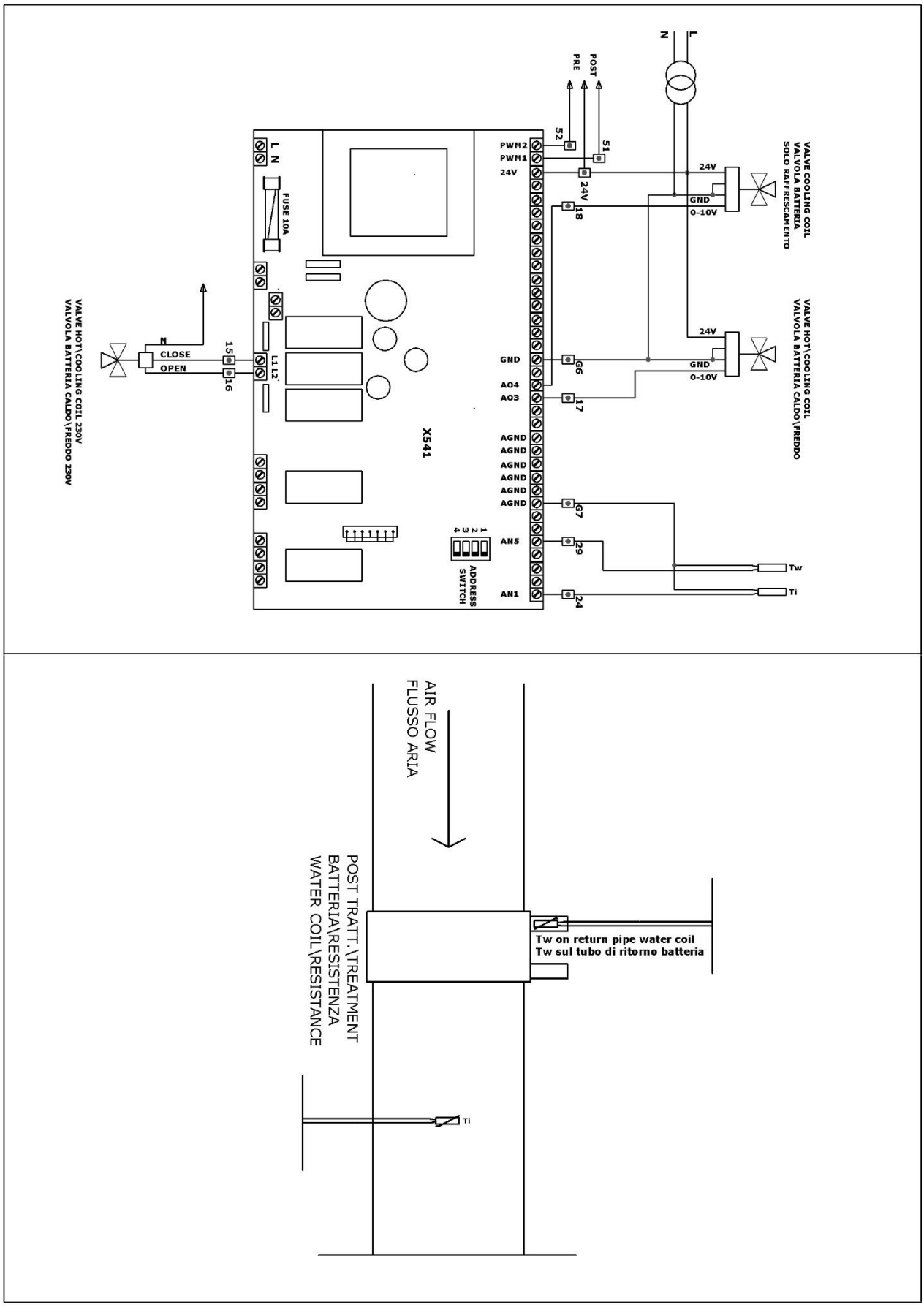
Only for water treatment. Must be connected the probe mounted on the return pipe to the 29-G7 DIN terminals (AN5-GND).

Water valve

The control has two outputs for controlling a 3-point 230V valve on DIN terminals 15-N-16 (L1-N-L2 card) or for a 0-10V valve at DIN terminals 17-G6 (AO3-GND card) which can be used for heating \ cooling when a single coil is installed . If two separately coils\valves are installed, for the cooling coil output AO4 must be used . It is advisable to use an external 24V power supply transformer if not required from factory. The switch from heating\cooling is done in menu parameters selecting the current season or by a digital input programmed for that purpose. If a cool coil is installed it is essential.

Electrical resistance evo

The electrical resistance is driven by the X541 card via the PWM1 outputs for post-heating or PWM2 for pre-heating. They are respectively connected to terminals 24V and 51 \ 52 and relate to SSR relay A1-A2(if present). Over the power supply, must be made the connection between terminals resistance and electric box. Refer to the wiring diagram for more details.



Probes and valves\resistance commands