

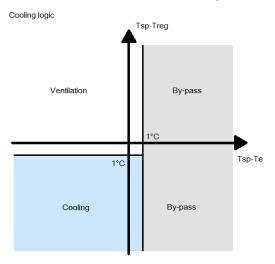


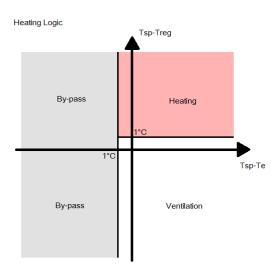
Control features:

- Automatic / Manual 3 speed fan
- 3 point cooling / changeover floating valve
- 3 point heating floating valve
- ON-OFF Electric heater
- Post ventilation
- Free cooling Free heating damper
- Alarm management and diagnostic
 - Sensor failure
 - Heater over temperature
 - o Dirty filter alarm
- Clock program management
- Remote ON-OFF
- Remote display with internal sensor

Control logic

In the following diagrams is explained the summer-winter control logic





Treg = regulation probe temperature Tsp = Set point temperature Te = External probe temperature



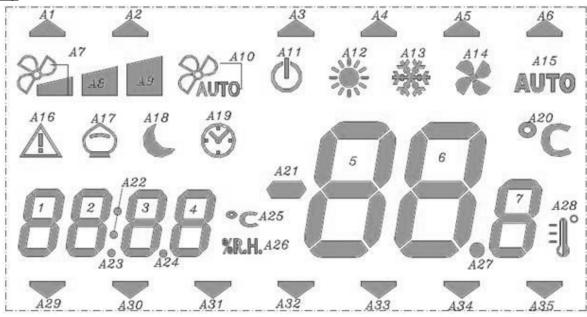


Weekly program

For each day of the week it is possible to select between 4 programs:

- Program P1: the unit is turned ON in two different time range (for example one in the morning and one in the afternoon)
- Program P2: the unit turned ON in a single time range
- Program P3: the unit is turned ON all the day
- Program P4: the unit is turned OFF all the day

Display



Icons:

A3-A6: Active weekly program

A7-A10: Fan speed

A11: ON: Manual OFF

BLINKING: Weekly program OFF

A12, A13, A15: Working mode / while setting: visualizing set point

A16: ON: active alarm

BLINKING: resettable alarm

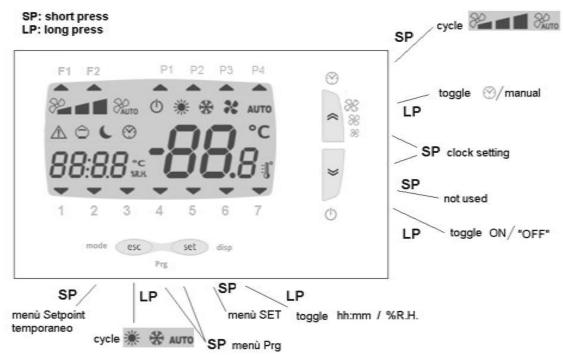
A17: Freecooling/Freeheating
A19: Clock time viewing

A29-A35: Day of the week





Keyboard



Menu Prg List

Press together button "Esc" and "Set"

- Prof: in this section there are the settings for the weekly program
 - o ST1: start time of1st range of 1st program
 - \circ EN1: end time of 1st range of 1st program
 - SE1 (summer): set-point of 1st range of 1st program
 - SE1 (winter): set-point of 1st range of 1st program
 - o ST2: start time of 2nd range of 1st program
 - o EN2: end time of 2nd range of 1st program
 - SE2 (summer): set-point of 2nd range of 1st program
 - SE2 (winter): set point of 2nd range of 1st program
 - ST: start time of 2nd program
 - END: end time of 2nd program
 - SET (summer): set-point of 2nd program
 - SET (winter): set-point of 2nd program
- Day: in this section there's the program assignment for each day
 - o Mon: Monday program, possible value
 - ▶ P1
 - ▶ P2
 - ▶ P3
 - ▶ P4
 - Tue: Tuesday program
 - Wed: Wednesday program
 - Thu: Thursday program
 - Fri: Friday program
 - Sat: Saturday program
 - Sun: Sunday program
- Serv: in this section there is the controller configuration
 - PWD: insert service password (1)





- o Pcfg: plant configuration
 - 0= 2 pipes system, unique changeover coil
 - ➤ 1= 2 pipes system, cooling coil + electric heater
 - 2= 4 pipes system, cooling coil + heating coil
- o Rprop: regulation probe
 - > 0= supply air sensor
 - > 1= display sensor

Menu Set List

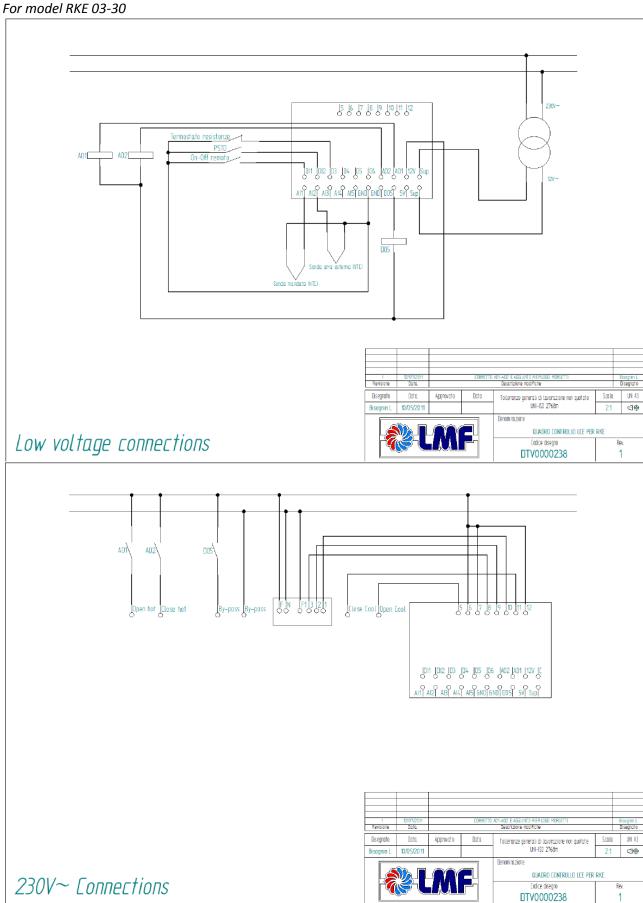
Press button "Set"

- Manual summer set-point
- Manual winter set-point
- Alarm folder:
 - o Er01: Regulation sensor failure; effects:
 - The unit is turned off
 - Automatic reset alarm
 - Er02: External air sensor failure; effects:
 - Free-cooling mode disabled
 - Automatic reset alarm
 - Er03: Display sensor failure; effects:
 - If Rprop=1 the unit is turned off
 - If Rprop=0 alarm not shown
 - o Er04: Dirty filter alarm; effect
 - None
 - Er05: Electric heater over-temperature; effects:
 - Electric heater disabled
 - Fan activated



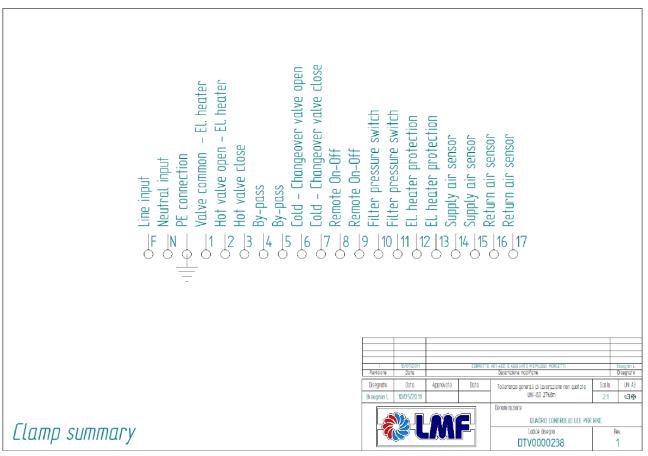


Wiring diagram

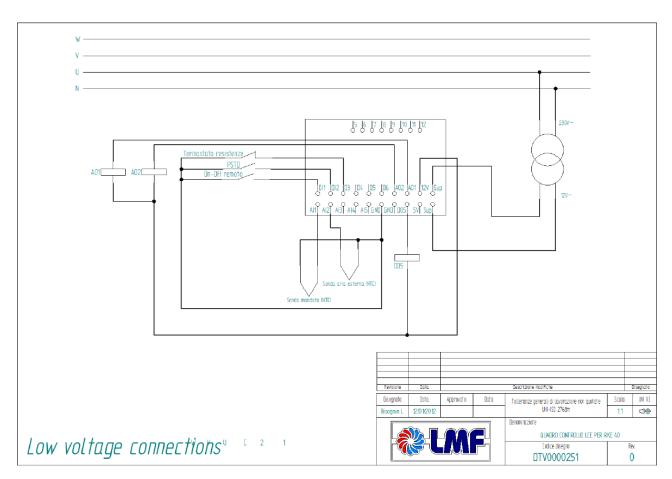






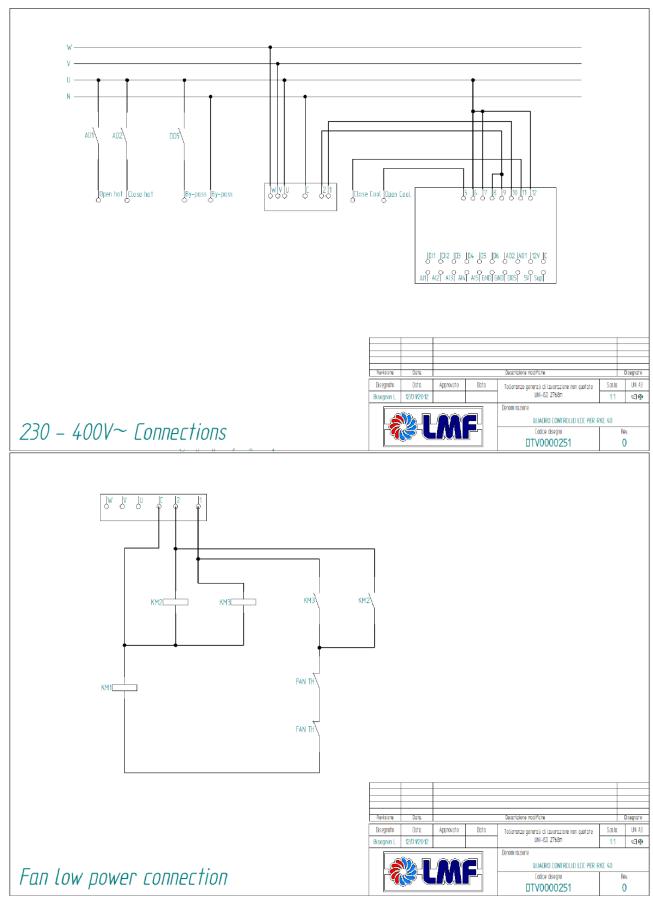


For model RKE 40



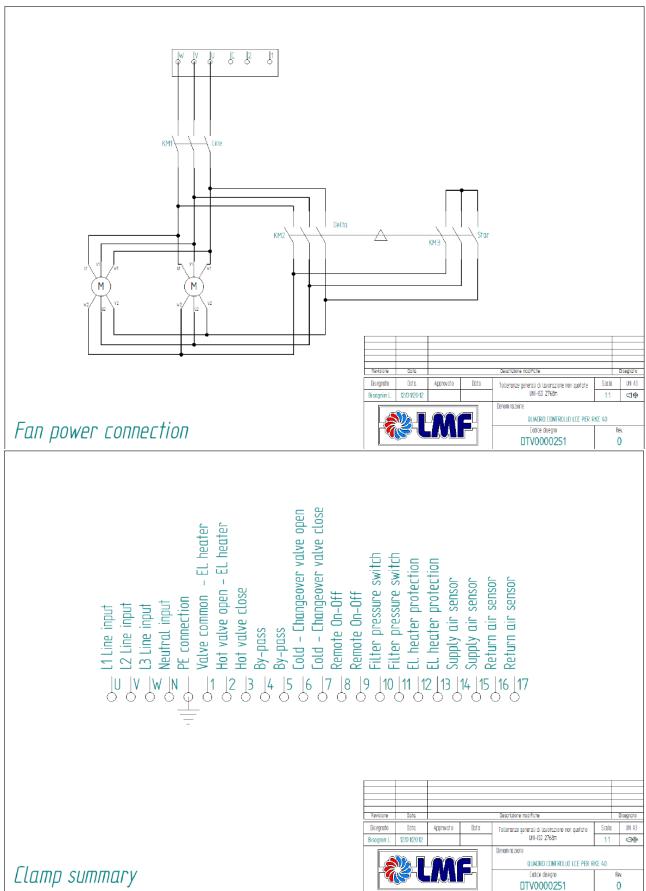








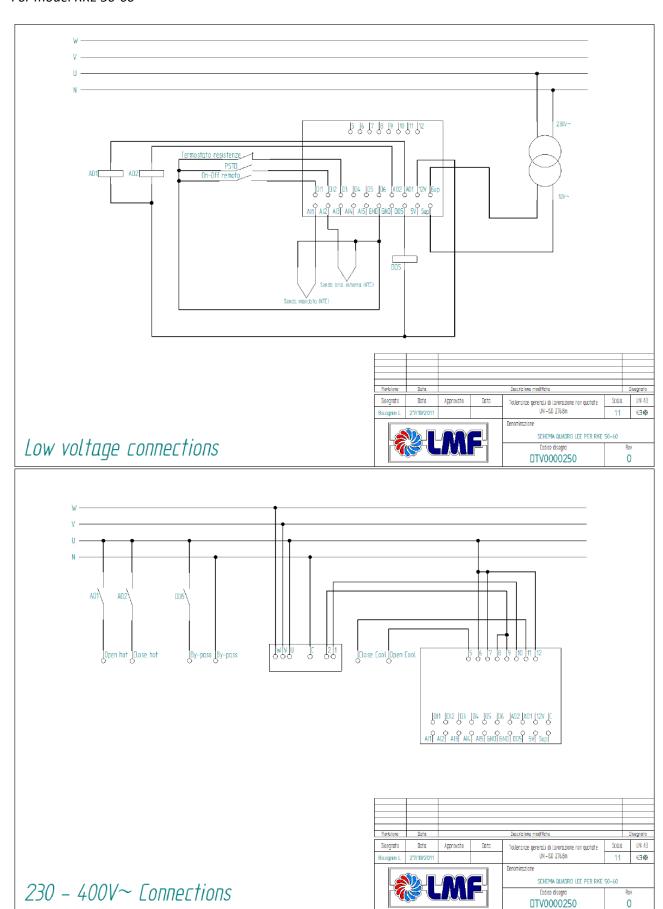








For model RKE 50-60







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