

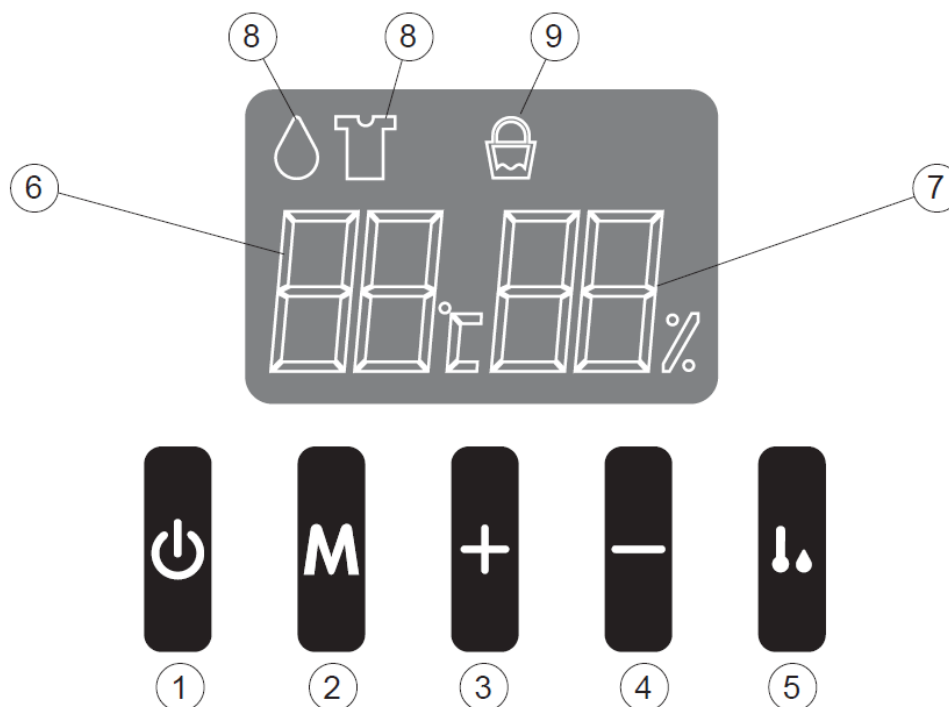


TECHNICAL FEATURES

	Secco Tech
Power Supply	230V - 50Hz
Input Power (27°C - 65% U.R.)	190 W – 1,2 A
Max Input Power (32°C - 80% U.R.)	232 W – 1,3A
Heating Element Input power	--
Dehumidification Capacity 27°C - 65% U.R. (liters)	6,6 /24 h
Dehumidification Capacity 32°C - 80% U.R. (liters)	13 /24 h
Fan Speeds	1
Refrigerant type	R 134A
Refrigerant quantity	0,160 kg
Air Flow	120 m ³ /h
Tank Capacity (liters)	2
Dimensions (HxWxD) mm	300X427X258
Weight	13 kg
Noise level (sound power)	36 dB(A)
Water Proof Level	IPX0
OPERATING WORKING LIMITS	
Max working conditions in dehumidification mode: DB / WB	35°C/31°C
Min working conditions in dehumidification mode: DB / WB	2°C/1°C

INTRODUCTION

The dehumidifier is fitted with an electronic logic system which controls operation and optimises consumption and performance. The keys and information on the control panel have the following meanings



- 1) Start / Stand-by key
- 2) Operating mode selection key
- 3) Desired humidity / increment key (selection range from 30 to 90%).
- 4) Desired humidity / decrement key (selection range from 30 to 90%).
- 5) Detected ambient humidity / temperature warning key
- 6) Temperature indication
- 7) Humidity indication
- 8) Operating mode indications
- 9) Condensate collection tank full or tank shortage (LED ON),
Continuous discharge function enabled (LED BLINKING with frequency 1.25Hz).
Tank empty/present with continuous discharge disabled (LED OFF).

SELECTING FUNCTIONS

Stand-by. Key (1)

This key activates the dehumidifier or puts it in Stand-by mode. In the latter case, the display shows ' - - - - ' and the dehumidifier is deactivated.

Mode. Key (2)

Pressing this button the following operating modes can be set:

- DEHUMIDIFICATION, indicated by the "drop" symbol light on the display.
- DRYING, indicated by the "T-Shirt" + "HI" symbols light on the display.

OPERATION WITH CONTINUOUS DISCHARGE

To operate the dehumidifier with continuous discharge, carry out the following operations:

- Take the tank out of the appliance.
- Connect the rubber pipe provided in the outfit to the condensate collection tank (at the top of the tank compartment).
- Secure the pipe with the metal clamp provided.
- Simultaneously press the increment (3) and decrement (4) keys for three seconds, with the machine in function

The activation of this function is indicated by the flashing "tank" symbol (9). The continuous discharge function is cancelled if the empty tank is refitted.

FUNCTION DETAILS

- **DEHUMIDIFICATION** indicated by the "drop" symbol light on the display.

Compressor and fan are switched on if the minimum OFF time (**Cf**) has elapsed and if the relative humidity value is higher than the set point + 3; compressor and fan remain ON as long as the relative humidity value is above the set point - 3; when below the set point - 3, compressor and fan switch off (the fan switch-off is delayed by 30 seconds with respect to the compressor) and remain off for a minimum time equal to **Cf** (measured as from switch-off of the compressor), at the end of which compressor and fan are switched back on again if the relative humidity value is greater than the set point +3.

The set point can be adjusted from 30% to 90% Rh in steps of 5%; pressing the UP (Key 3) or DOWN (Key 4) keys increases or decreases the set point value by 5%.

- **DRYING MODE**

Compressor and fan are switched on if the minimum OFF time (**Cf**) has elapsed.

Compressor and fan switch off only in the following cases:

cut in of the tank full switch,

operation in defrosting mode,

alarms (the switching off of fan always delays for 30 seconds compared with compressor).

The fan speed is always the minimum speed (winding no. 1 is energized).

- **DEFROSTING MODE**

If there is a frost condition (evaporator temperature < **Ft** and compressor ON) the compressor remains on for a maximum time equal to **Co** minutes, at the expiry of which air defrosting takes place (fan on at minimum speed, resistor not active in models with resistor, compressor off) which terminates when the pre-set temperature is reached (evaporator temperature > **St**), compatibly with the minimum compressor OFF duration **Cf**.

If the formation of frost is detected and the compressor is stopped due to reaching of the set point before the expiry of **Co** the fan remains on until the end of defrosting temperature is reached.

ALARM CODES

<i>Display Indication</i>	<i>Likely Cause</i>	<i>Suggested Solution</i>
"Hr" flashing	Relative humidity drops below very low values (<22%).	Activate the dehumidifier with higher ambient humidity conditions.
	Humidity sensor broken.	Change humidity sensor or whole PCB (according to the model).
"tE" flashing	The ambient evaporator temperature sensor is damaged.	Change ambient temperature sensor or whole PCB (according to the model).
"Lo" flashing	The ambient temperature is too low. It means that after 30 minutes of operation in defrosting mode (compressor stopped and fan working) the defrosting temperature does not exceed St . Alarm reset automatically after room temp rise up St .	Activate the dehumidifier with higher ambient humidity conditions.
"EE" flashing	The EEPROM of the PCB is damaged.	Change the PCB (for some model models only).

<i>Mnemonic</i>	<i>Range scheduled</i>		<i>Parameters set</i>	<i>Description</i>
Co	20 min	50 min	20	Compressor in defrosting ON time
Cf	3 min	15 min	3	Compressor minimum OFF time
Ft	-9°C	+9°C	1	Frost accumulation temperature
St	0°C	+9°C	3	End of defrosting temperature

• AUTOTEST MODE

By pressing the keys 4+5 for 3 seconds in sequence with the unit in Stand-by, the following sequence is started (each phase has a duration of 3 seconds):

- switch-on of all symbols of the displays
- display of the software release
- activation of the fan (max speed managed according to the model, resistor powered when provided) and compressor, displaying the code **At** on digits to the right side and the evaporator probe temperature to the left side.

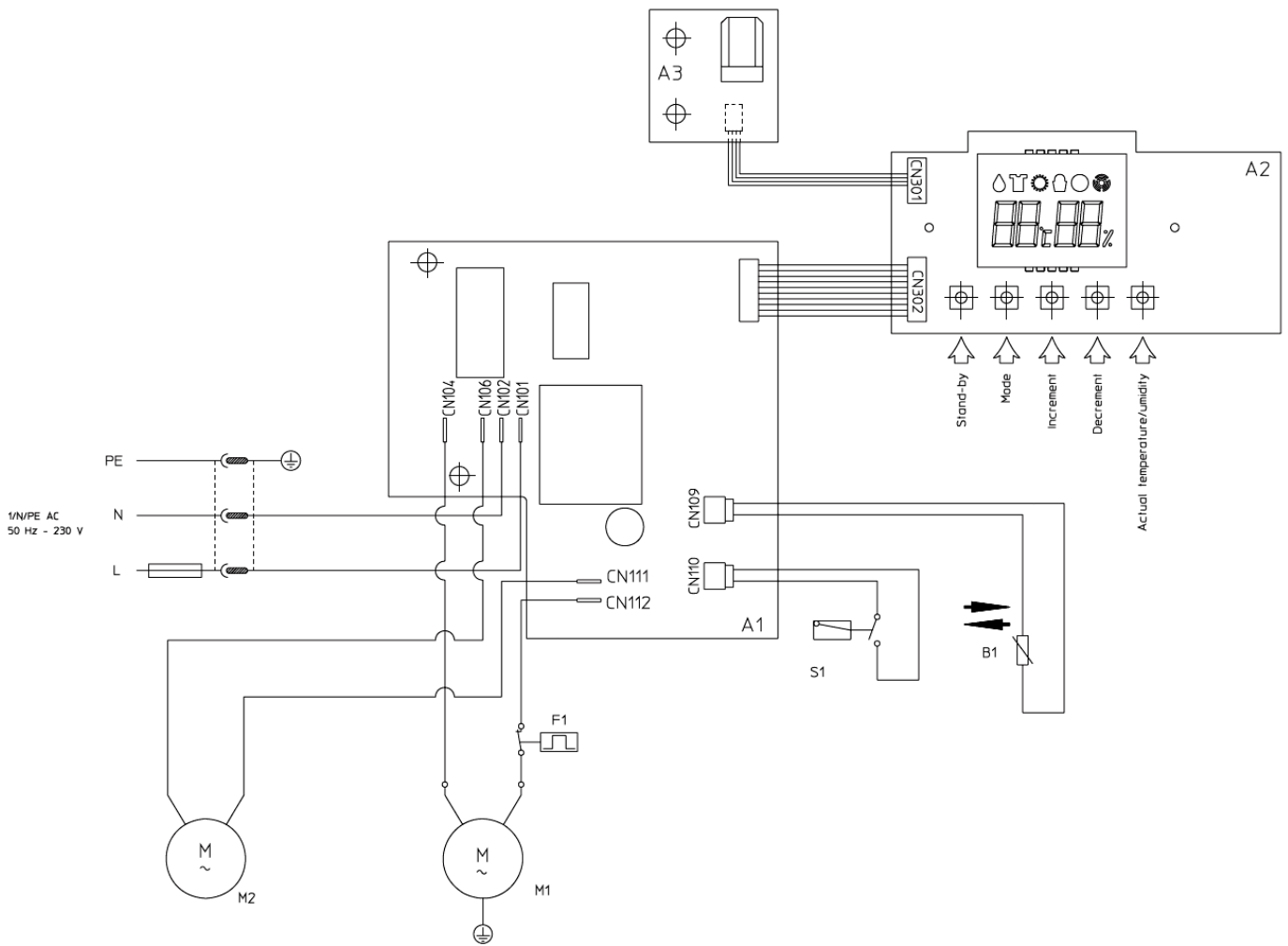
The compressor remains ON continuously, independently of the set point and the tank level switch; the pause between stop and subsequent start and the defrosting function are also excluded.

The tank level symbol is active if the tank is absent (switch open), off if the tank is present (input closed).

Pressing the key 5 the software refresh the standard display mode as room air temperature and relative humidity values.

Press the stand-by key or disconnect the power supply to quit the auto test mode.

SECCO TECH WIRING DIAGRAM



- A1 - Power board
- A2 - Control board
- A3 - Humidity/temperature sensor board
- B1 - Evaporator temperature probe
- F1 - Overload protector
- M1 - Compressor
- M2 - Fan motor
- S1 - Microswitch