

# INSTRUCTION MANUAL

## 3 BUTTON DISPLAY

### INSTALLATION AND USE



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N.B.: THE INSTRUCTION BOOKLET CAN BE DOWNLOADED FROM OUR WEBSITE [www.evacalor.com](http://www.evacalor.com)

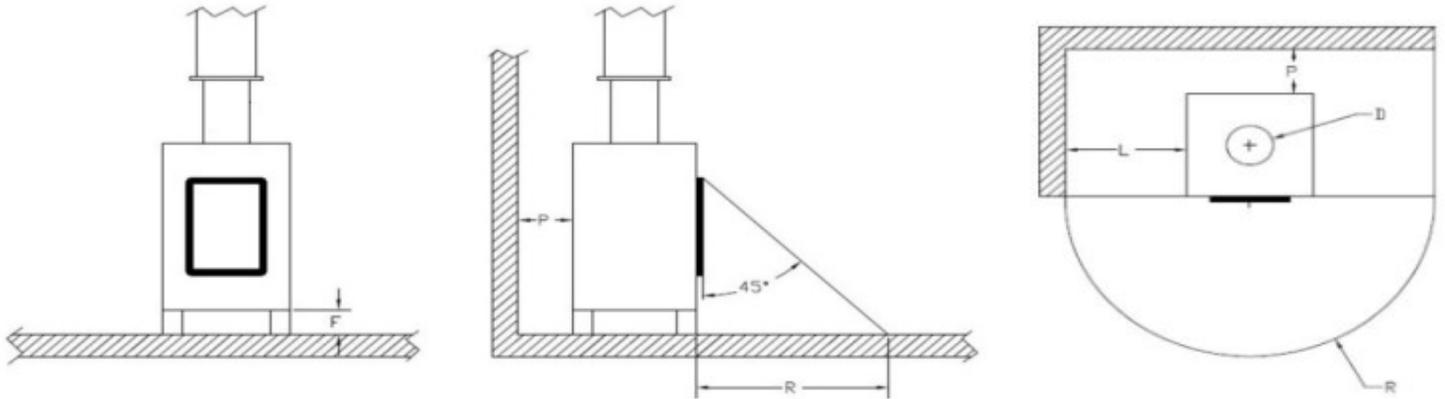
ENGLISH

## 01.1 FLUE PIPE CHARACTERISTICS

PELLET STOVE 8 KW (9) SPCT8	
Chimney flue draught	12 Pa
Fume temperature	214 °C
Maximum flue smoke flow	6.1 g/s

## 02. INSTALLATION WARNINGS

- If the stove is to be installed in rooms where it is surrounded by combustibles (e.g. furniture, wood cladding, etc.), **the following minimum clearances must be complied with:**

**STOVES and BOILERS**

FLAMMABLE

**NON** FLAMMABLE

## PELLET STOVE 8 KW (9) SPCT8

REAR WALL P =	100 mm
SIDE WALL L =	250 mm
FLOOR F =	- mm
FRONT R =	1000 mm

## PELLET STOVE 8 KW (9) SPCT8

REAR WALL P =	100 mm
SIDE WALL L =	150 mm
FLOOR F =	- mm
FRONT R =	1000 mm

## 03. INSTALLATION

## 03.1 TRADITIONAL PELLETS STOVES

**IMPORTANT: THE LENGTH OF THE SMOKE DUCT MUST BE A MAXIMUM OF 6 METRES OF 80 mm DIAMETER TUBE AND EACH 90° BEND OR (T) CONNECTION MUST CORRESPOND TO 1 METRE OF TUBE**

TO GUARANTEE THE CORRECT OPERATION AND YIELD OF ALL OUR PELLETS ITEMS, BEFORE CARRYING OUT A CONNECTION TO THE FLUE PIPE INSTALL A T-CONNECTION AND AT LEAST 1 LINEAR METRE OF SMOKE DUCT CERTIFIED IN ACCORDANCE WITH EN1856-2



04.1 CONSOLE



Description of Console:

-  1) Button 1 opens the work programme settings. During setting, press it to move to the next menu item or increase the displayed value.
-  2) Button 2 opens the work temperature settings. During setting, press it to go back to the previous menu item or decrease the displayed value.
- 3) TIMER LED: It is on when the programmer timer setting is enabled.
- 4) TEMP OK LED: When illuminated, indicates that the room temperature has been reached. The stove then continues the heating in ECO mode.
- 5) DISPLAY LED: Indicates the stove working status and the settings menu.
- 6) AUGER TUBE LED: It is on when the Auger tube is working.
- 7) IGN LED: It is on when the ignition plug is on.
-  8) ON/OFF: It is the stove switching on/off button. Keep it down for a few seconds to switch the stove on. Press it also to clear the alarm displayed. During temperature setting, press it to enter the technical menu.
- 9) LED ON: It is on when the stove is switching on or heating. It flashes when the stove is in the cooling phase or error.
- 10) IR: Optional IR remote control sensor.
- 11) AL: It is on or flashes if the pressure switch or the safety thermostat were triggered.

04.2 USER FUNCTIONS

Standard operation of a control board correctly installed on an forced air stove is described below with reference to the functions available to users. The board automatically controls the stove working parameters. Users can manually switch the stove on or off and use the advanced functions, such as the weekly programmer or the timer.

**First Start-up**

Upon switching on the board, the display shows the resident software version and then the stove status (OFF in case of first ignition).

**Temperature Settings**

To open the temperature settings, press button 2 and then 1 and 2 to change the temperature from a minimum of 7 to 40°C. If button 8 is pressed in the temperature settings, the technical menu opens up.

**Working Programme Settings**

The working programme actually corresponds to the stove heat output. To open the settings, press button 1 and then 1 and 2 to change the programme from a minimum of 1 to 5.

Press and hold button 1 down to visualise the measured flue gas temperature and then the flue gas motor speed in revolutions per minute, if the encoder is connected.

**Stove ignition**

To ignite the stove, press button 8 for a few seconds. The stove will automatically continue the ignition and heating phase. Upon the first ignition and therefore the first pellet loading, several ignition cycles need to be carried out in order for the pellets to enter the feeding system.

**Stove switch off**

To switch the stove off, simply press button 8. After a system-controlled cooling phase, the stove is switched off.

**System Error Reset**

The stove signals any malfunctions detected through the relevant error code and message. Hold button 8 down for approx. 3 seconds until the error message disappears from the LED display to clear any errors and then switch the stove back on.

**Pellet Economy**

If during the heating phase the room temperature exceeds the set value, LED 4 switches on and the stove limits its heat output to maintain the set temperature. If the stove temperature further increases by the T value set in the system parameters, the stove enters the pellet economy mode, then the cooling phase. The stove automatically resumes operation if room temperature reaches a value below the set value for at least 1 minute.

User programming is possible using the accessible menu by pressing button **2** and then button **8**. The technical menu appears as follows:

MENU	DESCRIPTION	
MN01	Current day	
MN02	Current hour	
MN03	Current minutes	
MN04	Access to technical parameters	
MN05	Timer ON 1	Programme 1
MN06	Timer OFF 1	Programme 1
MN07	Timer 1 ON/OFF	Programme 1 enabling
MN08	Timer ON 2	Programme 2
MN09	Timer OFF 2	Programme 2
MN10	Timer 2 ON/OFF	Programme 2 enabling
MN11	Timer ON 3	Programme 3
MN12	Timer OFF 3	Programme 3
MN13	Timer 3 ON/OFF	Programme 3 enabling

Press button **8** once more to go to the next menu.

#### Menu MN01 - Current day setting

#### Menu MN02 - Set the MN02 menu as follows:

DISPLAY SHOWS	DAY
DAY 1	Monday
DAY2	Tuesday
DAY3	Wednesday
DAY4	Thursday
DAY5	Friday
DAY6	Saturday
DAY7	Sunday
OFF	Control not considered

Press button **2** and button **8** repeatedly to select MN02. Then press statuses **1** and **2** to set the current time. When finished, press button **8** repeatedly to exit the technical menu or wait 20 seconds.

#### Menu MN03 - Current minutes setting

Press button **2** and button **8** repeatedly to select MN03. Then press statuses **1** and **2** to set the current minutes. When finished, press button **8** repeatedly to exit the technical menu or wait 20 seconds.

#### Menu MN04 - Technical menu

Press button **2** and button **8** repeatedly to select MN04. Then press statuses **1** and **2** to select the menu as in the section. When finished, press button **8** repeatedly to exit the technical menu or wait 20 seconds.

#### Menu MN05 - Timer ON 1 hours minutes switch on 1

Press button **2** and button **8** repeatedly to select MN05. Then press statuses **1** and **2** to set timer hours and minutes. When finished, press button **8** repeatedly to exit the technical menu or wait 20 seconds.

#### Menu MN06 - Timer OFF 1 hours minutes switch off 1

Press button **2** and button **8** repeatedly to select MN06. Then press statuses **1** and **2** to set timer hours and minutes. When finished, press button **8** repeatedly to exit the technical menu or wait 20 seconds.

#### Menu MN07 - Timer 1 activation

Press button **2** and button **8** repeatedly to select MN07. Then press statuses **1** and **2** to On to enable or Off to disable the timer. Select the days on which the Timer must be active. When the timer is enabled, LED **3** will illuminate. When finished, press button **8** repeatedly to exit the technical menu or wait 20 seconds.

#### Menu MN08 - Timer ON 2 hours minutes switch on 2

Press button **2** and button **8** repeatedly to select MN08. Then press statuses **1** and **2** to set timer hours and minutes. When finished, press button **8** repeatedly to exit the technical menu or wait 20 seconds.

#### Menu MN09 - Timer OFF 2 hours minutes switch off 2

Press button **2** and button **8** repeatedly to select MN09. Then press statuses **1** and **2** to set timer hours and minutes. When finished, press button **8** repeatedly to exit the technical menu or wait 20 seconds.

#### Menu MN10 - Timer 2 activation

Press button **2** and button **8** repeatedly to select MN10. Then press statuses **1** and **2** to On to enable or Off to disable the timer. Select the days on which the Timer must be active. When the timer is enabled, LED **3** will illuminate. When finished, press button **8** repeatedly to exit the technical menu or wait 20 seconds.

#### Menu MN11 - Timer ON 3 hours minutes start 3

Press button **2** and button **8** repeatedly to select MN11. Press then keys **1** and **2** to set hours and minutes of the Timer. At the end, press button **8** repeatedly until escape or wait 20 seconds.

#### Menu MN12 - Timer OFF 3 hours minutes stop 3

Press button **2** and button **8** repeatedly to select MN12. Press then keys **1** and **2** to set hours and minutes of the Timer. At the end, press button **8** repeatedly until escape or wait 20 seconds.

#### Menu MN13 - Timer 3 activation

Press button **2** and button **8** repeatedly to select MN13. Press then keys **1** and **2** to select ON to activate, or OFF to deactivate the hourly control. Select the days on which the Timer should be active. When enabling the Timer, led **3** will light. At the end, press button **8** repeatedly until escape from technical menu or wait 20 seconds.

**“NO ACC” alarm.**

The alarm is triggered when the fume temperature does not increase by a gradient equal to 3 °C/min during the LOAD WOOD or FIRE ON phases and does not reach the temperature set by PR13 within the time set by PR01:

- The switching-on phase is interrupted and the stove switches off.
- The display shows the message “ALAR/ No/ Acc”.
- Use the control panel or remote control to clear the alarm (hold on/off button down for at least 2 seconds).

**“NO FIRE” alarm.**

If the stove switches off during the working mode (the fume temperature reaches a value below the PR13 parameter), the stove enters the switching-off phase.

- The display shows the message “ALAR/No/Fire”.
- Use the control panel or remote control to clear the alarm (hold on/off button down for at least 2 seconds)

**“COOL FIRE” alarm.**

It is triggered only in case of power outage. When power resumes, the stove enters a switching off phase.

- The display shows the message “Cool Fire”.
- Upon completing the switching-off cycle, the stove automatically resumes operation.

**“FAN FAIL” alarm.**

The alarm is triggered when exhaust blower rotation is not detected. • The stove enters the switching-off phase.

- The display shows the message “Alar /Fan/Fail”.
- Use the control panel or remote control to clear the alarm (hold on/off button down for at least 2 seconds).

**“SIC DEP FAIL” alarm.**

The alarm is triggered when the pressure switch or the safety thermostat are activated:

- The stove enters the switching-off phase.
- The display shows the message “Alar /Dep/ Sic /FAiL”
- ALF and ALC LEDs flash
- Use the control panel or remote control to clear the alarm (hold on/off button down for at least 2 seconds).

**Alarm Log**

The system alarm log registers the last 5 alarms triggered and it is accessible by entering the “E9” code in the MN04 menu. Enter the password “99” in the MN04 menu to clear the alarms.

**Alarm Display**

- Enter the MN04 technical menu.
- Press buttons 1 and 2 repeatedly until message “E9” appears on the display. Hold the buttons down to move more rapidly.
- Press button 8 to confirm.
- The display shows the error number and the type of alarm alternatively. Press button 8 again to move to the other alarms.

**Clearing Alarms.**

- Enter the MN04 technical menu.
- Press buttons 1 and 2 repeatedly until the display shows “99”. Hold the buttons down to move more rapidly.
- Press button 8 to confirm and clear the log.

**SERVICE MESSAGE**

The stove will display the message SERVICE (or SER) during operation depending on the number of hours of operation. The wording does not lock operation of the stove, but non-routine maintenance will be required by an authorised technician, who will reset the service hours.



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