

SUPER AUTOMATIC INCUBATORS



AA-MODELS

AA - 256

AA - 352

AA - 528

AA - 1K0

AA - 2K1

AA - 4K8

OPERATING INSTRUCTIONS

FEATURES OF AA SUPER AUTOMATIC INCUBATORS

- ☑ Fully Microcomputer controlled incubator
- ☑ Digital indicator for temperature and humidity
- ☑ Easy interface, bird selection button, and setter /Hatcher button
- ☑ Swiss made sensor (temperature and humidity)
- ☑ Powder coated body with aluminum frames(28 mm insulation form)
- ☑ Intelligent turning system
- ☑ ultrasound humidifier with the direct water inlet
- ☑ Intelligent ventilation with a forced fan
- ☑ Automatic cooling with forced fan
- ☑ Intelligent eight alarm indications
- ☑ Each egg tray carry 88 or 150 hen eggs (optional 221quail, 63turkey, 38goose,16 emu or 9 ostrich eggs)
- ☑ One year service warranty
- ☑ Spare parts available
- ☑ Helpline (*info@adhamfarm.com*)
- ☑ On phone Sat-Thu (8 am to 5 pm) call 0097142582125

Thank you for choosing AA SUPER AUTOMATIC INCUBATOR from AFEM family for your valued eggs. Before installing/operating, please read the instructions carefully to ensure the best possible performance.

GETTING TO KNOW YOUR MACHINE:



CONTROL PANEL

The **Fig 3.1** showing the control panel. It is the heart of the machine; it contains all the electrical connections, indicator and controls.

Fig 3.1



Fig 4.1

CONTROL PANEL BOARD

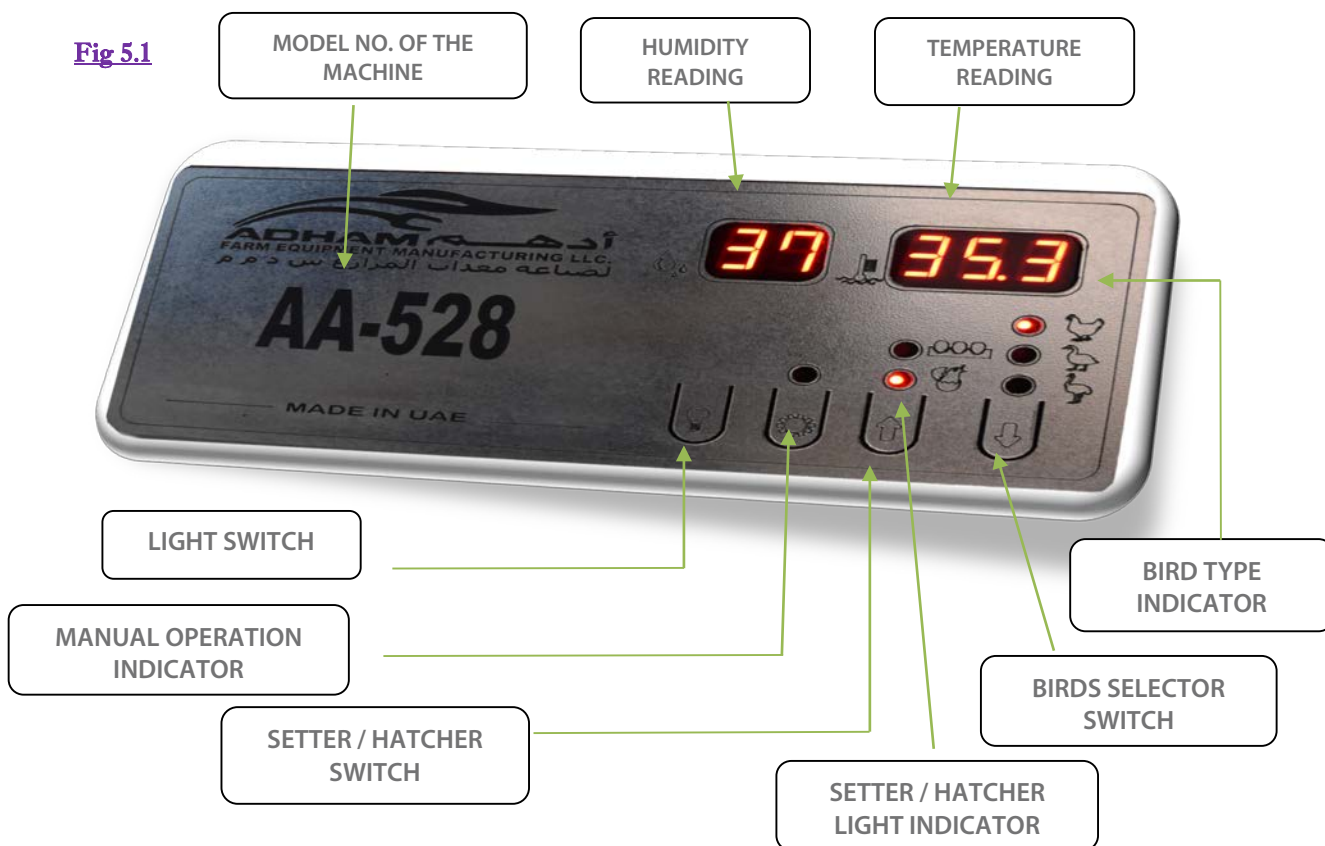
Fig 4.1 shows the control board /control panel. This is a micro-computer based control systems. All the machine controls coming from this section.

1. CONTROL BOARD SWITCHES

- **LIGHT BUTTON**
Used for the switch on the internal light. The light will automatically switch off after 1 time. When the door open, the light will on automatically.
- **SET**
This is the switch used for factory settings, an authorized person can use
- **SETTER/HATCHER SELECTION SWITCH**
This switch used to select the machine mode (setter, hatcher and setter hatcher mode) in automatic condition
- **BIRD SELECTION SWITCH**
This switch is used for selecting the machine for different bird categories.

2. INDICATOR LIGHT

- **MANUAL / AUTOMATIC MODE**
Super automatic incubators- we can use in manual condition also, In **MANUAL MODE** you can change the (te) temperature - (hu) humidity setting) and for **AUTOMATIC** (Just put the bird selection) conditions. When the machine working in **MANUAL MODE**, (led red light should be blinking), and the **AUTOMATIC MODE** (the led red light should not blink).
- **SETTER/HATCHER INDICATOR LIGHT**
This will indicate the machine working Status (setter or Hatcher)
- **BIRD SELECTION INDICATOR**
This is an indicator used for showing bird type, that machine running



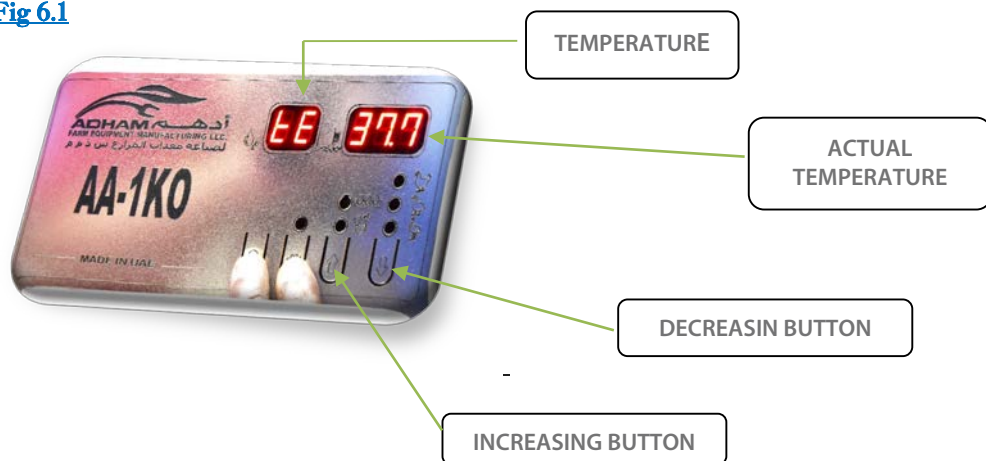
AUTOMATIC OPERATION

Connect the power line and water line to the machine, switch on, use the bird selection switch selects the bird type and use the setter/ Hatcher switch for selecting the setter or Hatcher .run the machine 2 to 3hrs, the machine automatically reaches its set point. after reaching its set point full the trays with egg and run.

MANUAL MODE

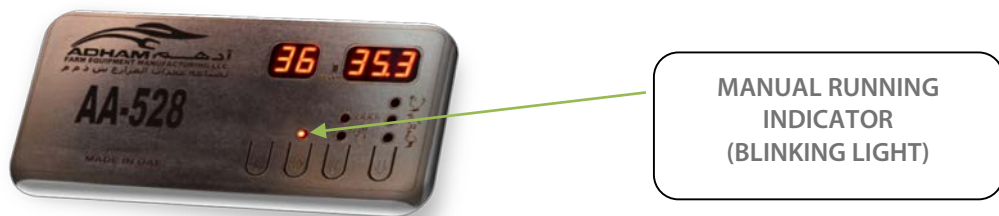
Normally super automatic machine runs in automatic mode, but we can run it in manual mode also. For the manual operation. Keep pressing the **light button** and **set button** together. After sometimes the display reaches its manual setting as shown in **Fig.6.1 (tE)** means **temperature**, we can set the temp using up arrow(setter /Hatcher) switch or down arrow(bird selection) switch. The default value is 37.7

Fig 6.1



Press again **set button** you can see on the screen displaying **HU**, means humidity. Set the desired values same as a temp (default value is 57), then again press the set button, the display showing **FA** means ventilation fan speed. It is reversely proportional, (default value is 15), again press set button, displaying **TU** means turning time, in seconds (default value is 120).

Fig 7.1

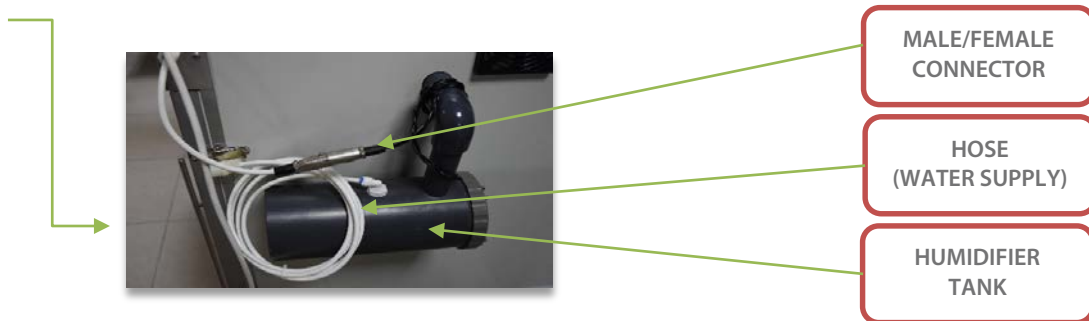


For returning manual mode to automatic mode, press the **light icon button** few seconds, the manual light will automatically switch off and bird selection and setter/ Hatcher light will on.

HUMIDIFIER UNIT

Fig 7.2 shows the humidifier unit system, which is connected to the super automatic machine. The ultrasonic humidifier system immersed in water and the water level adjusted by using a small float. There are a male and a female connector connected to the machine. It is highly recommended to use filtered water and the water line pressure 0.2 to 2bar. You may clean the tank by opening the back cover.

Fig. 7.2



SENSOR UNIT

Highly sensitive temperature and humidity sensor connected to the machine. It is highly recommended to keep the sensor away from the water.

TURNING SYSTEM

High efficient and intelligent turning system used in super automatic incubators when the door opens the tray system automatically coming straight. After door closing the turning system going to one side. Each and every two hours the turning system rotating. We can reset the turning time .default value is 2 hrs.

VENTILATION SYSTEM

Highly efficient ventilation fan connected to the machine .it maintain the oxygen level inside the machine .also it maintains the heat stability inside the machine.

INTELLIGENT ALARM SYSTEM

The super automatic machine contain highly sensitive eight sensing systems if you hear the alarm the problem or the symbol can be seen in the control board. Below are the following symbols, possible cause, and the solution.

TROUBLESHOOTING:

CONTROL DISPLAY	SYMBOL MEANING	NEED TO DO
A1 dor	Door is open	Make sure door is a lock.
A2 L-H	Low humidity alarm	Check the water level on the humidity tank
A3 H-H	High humidity	Technical problem: call customer service.
A4 L-T	Low-temperature alarm	Technical problem: call customer service.
A5 H-T	High-temperature alarm	Technical problem: call customer service.
A6 tur	Turning system not working	Switch OFF the machine for 1 minute and switch ON, then check the turning if working.
A7 SE1	Showing if any error/failure in the temperature reading	Technical problem: call customer service.
A8 SE2	Showing if any error/failure in the humidity reading	Technical problem: call customer service.

TECHNICAL SPECIFICATIONS

	AA-264	AA-352	AA-528	AA-1K0	AA-2K1	AA-4K8
Capacity (hen eggs)	264	352	528	1050	2100	4800
Trays (hen eggs)	3	4	6	7	14	32
Total Baskets	1	1	2	7	14	32
Optional Baskets	2	3	4	0	0	0
Temperature Control	PID Digital Temperature Control					
Turning System	Auto Smart Turning System					
Humidity	Ultra Sound Humidifier					
Ventilation	Automatic					
Power (Watt)	300	300	600	800	1200	3000
Voltage (Vol) Frequency (Hz)	220-240 / 50-60	220-240 / 50-60	220-240 / 50-60	220-240 / 50-60	220-240 / 50-60	220-240 / 50-60
Dimensions L*W*D(cm)	89x62x69	96x62x69	116x62x68	125x87x112	197x87x112	230x90x190
Weight (kg)	35	39	48	110	160	280

Thank you for choosing us!

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