

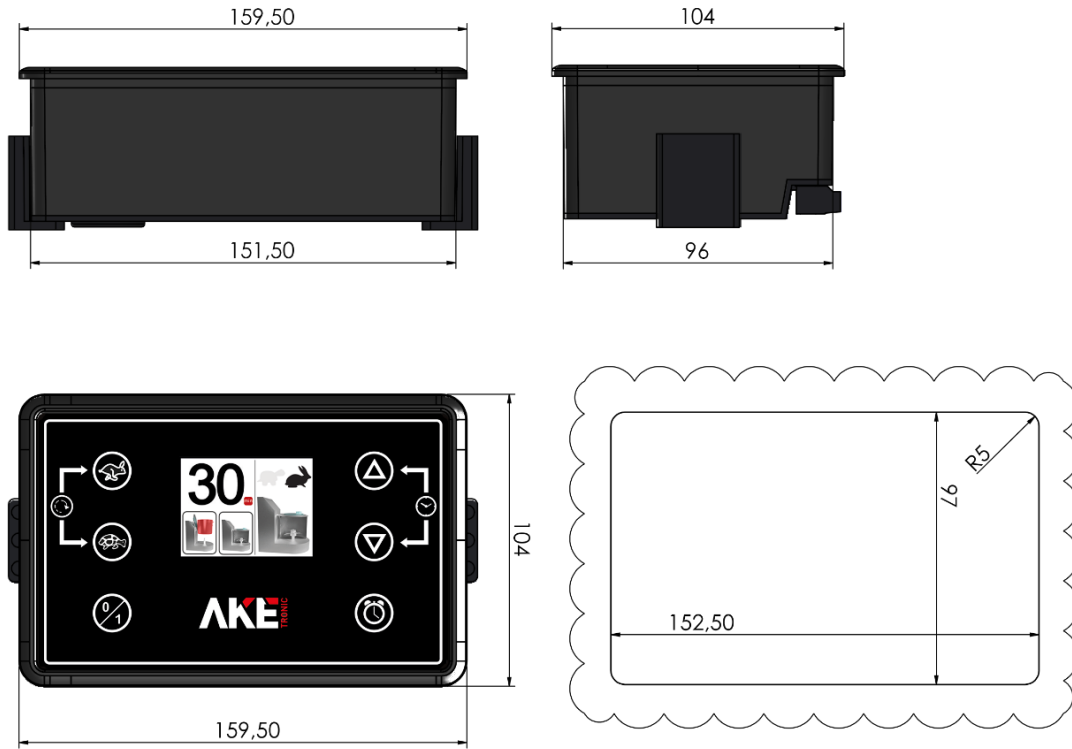
AKE.324.001.05.01
DOUGH KNEADING MACHINE
CONTROLLER
USER MANUAL



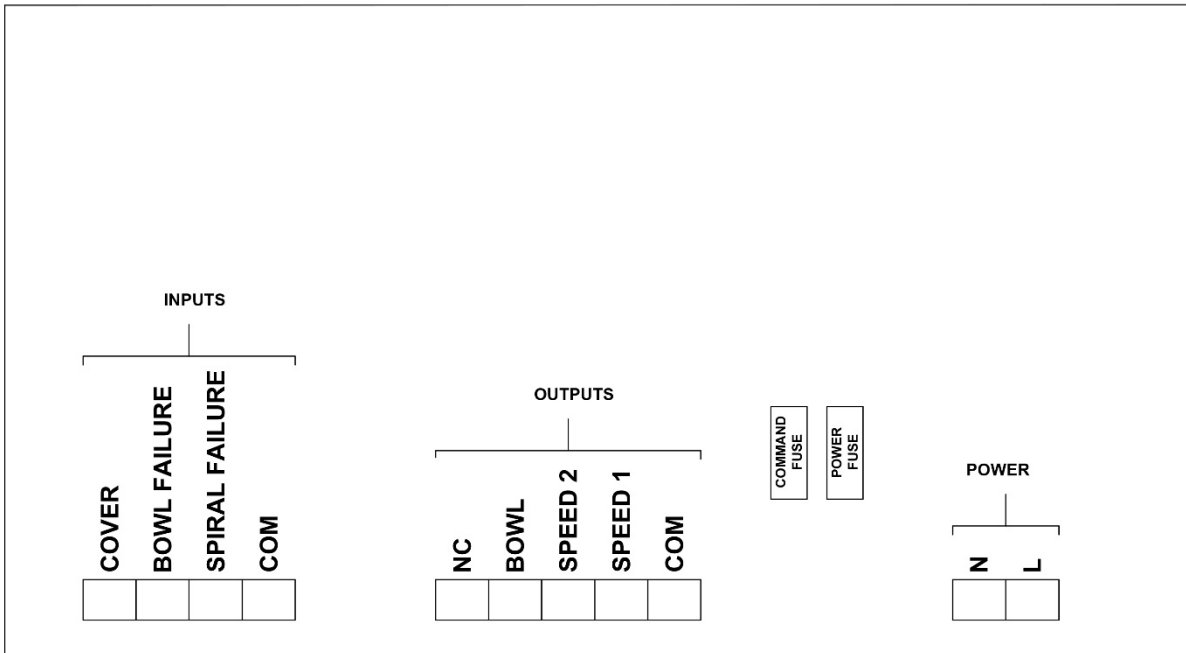
AKE **TRONIC**[®]

ELECTRONIC SYSTEMS

1. DEVICE DIMENSIONS



2. DEVICE CONNECTION DIAGRAM

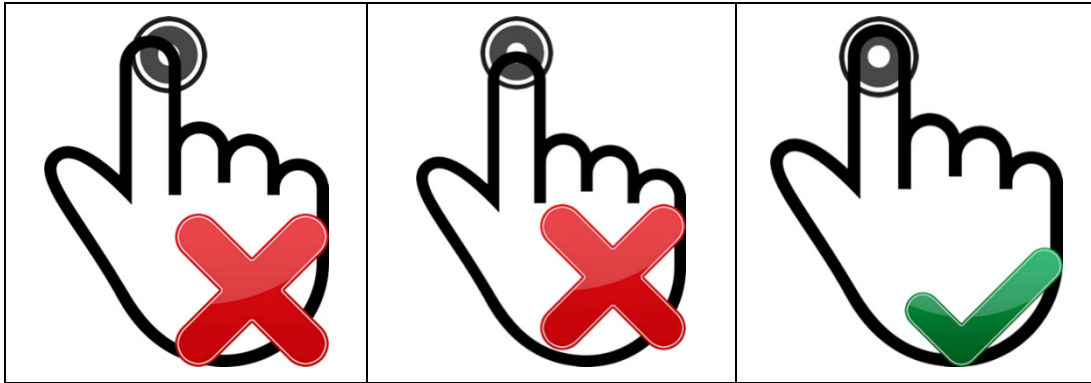


3. CAUTIONS

- Be sure to read the operating instructions before using the appliance and follow the instructions and cautions in the manual when using the appliance. Otherwise the responsibility for accidents and damages that may belong to the buyer.
- Installation and connection of the device should be done by experienced technicians in accordance with the diagram. Otherwise the responsibility belongs to the buyer.
- The operating ambient temperature of the device should be between 0 to 50 °C.
- The supply voltage must be checked before the device is energized.
- Precautions must be taken to prevent liquid flow into the device and metal chips to conduct. Otherwise, there may be accidents such as fire and electric shock.
- In case of any malfunction, do not interfere with the device. If the malfunction continues, notify the service in writing with the explanation.
- Electrical and mechanical precautions must be taken to prevent accidents and damages if the device is broken while being attached to the machine.
- Never remove the warranty label. Otherwise, your device is not covered by the warranty. The appliance must be repaired by authorized service personnel.
- The cables carrying the sensor and input signals to the device shall be prevented from being moved and influenced separately as far as possible from the inductive load cables operating as feed, control, switching.
- Shielded cables should be selected for the cables that carry the sensor and input signals to the device, and the cable shield must be connected to the ground.
- If more than one electronic device is used, separate feeder lines for each device must be towed. Insulation traces and line filters should be used on the supply line where there is excessive electrical noise.
- No control circuit should be connected to the device supply line.
- The appliance should be cleaned with a soft, damp cloth with a front panel. Thinner etc. do not use substances.
- Please do not use high-torque screwdrivers when mounting the device.

4. HOW TO USE TOUCH PANEL

- When the machine is power on, do not touch all buttons until the light of the On / Off button is on.
- As indicated in the following illustration.



5. DEVICE FEATURES

It is an elegant and stylish control panel designed for running Dough Kneading Machines. It provides ease of use with its high sensitivity touch buttons. It sets its users with technology with warning lights, audible warning system, and clear displays. The user safety prioritize under favour of the safing sensor that can easily connect to control panel. The flexible, impact resistant, waterproof panel makes cleaning easier and its lifetime longer. It provides to prepare the products in a shot span of time with Rapid/Slow Motor Speed Feature. Company-focused designs can be made with changeable visual design.

5.1 STANDARD TECHNICAL SPECIFICATIONS






- 2,4 inch, 320x240px resolution, 16 million coloured TFT screen
- 6 units LED illuminated touch button
- 3 units relay output (Max: 220VAC-5A)
- 2 units dry contact digital input
- 85-305VAC operating voltage
- Warning buzzer system
- Impact resistant, waterproof, joint protection front panel
- Customer specific desing
- Plastic enclosure

5.2 OPTIONAL FEATURES


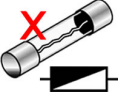
- Different Supply Voltage 12-24V AC/DC

- Customer specific label and software changing.

6.DEVICE FUNCTIONS

	START-STOP: Please press the Start/Stop button to start or stop the machine.
	TIME ADJUSTMENT : Please press these buttons to increase or decrease the time period.
	TIMER ON-OFF: Please press that button to open/close the timer which is adjusted. In the case of "OFF", mixer continuously works, independent of time which is adjusted. When the timer is "OFF", "--" sign appears.
	SPEED ADJUSTMENT: Please touch Rapid-Slow (Rabbit-Turtle) buttons to adjust motor's speed. If you touch rapid (rabbit) button, the rotational speed will be increased. Please touch the Slow(Turtle) button to decrease the rotational speed.
	GATE CAUTION: In the course of "ON" and gate IS OPEN, this signal will be activated.

7. DEVICE MALFUNCTION SITUATION

	MOTOR THERMIC MALFUNCTION
	CONTROLLER BRAKER MALFUNCTION