

GREENHOUSE AUTOMATION FOR CLIMATE CONTROL

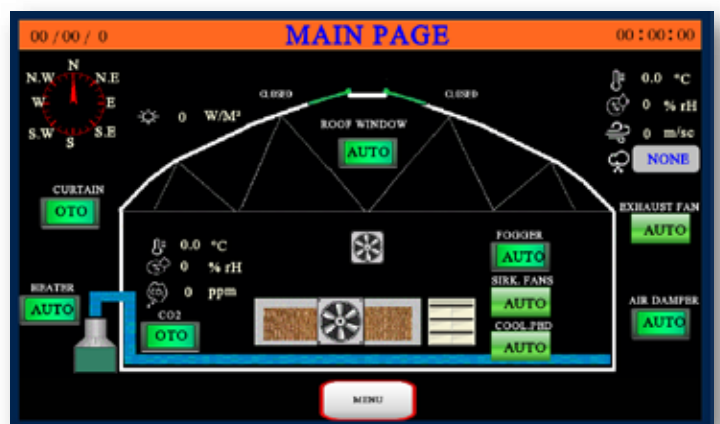
TECHNICAL FEATURES OF THE SYSTEM:

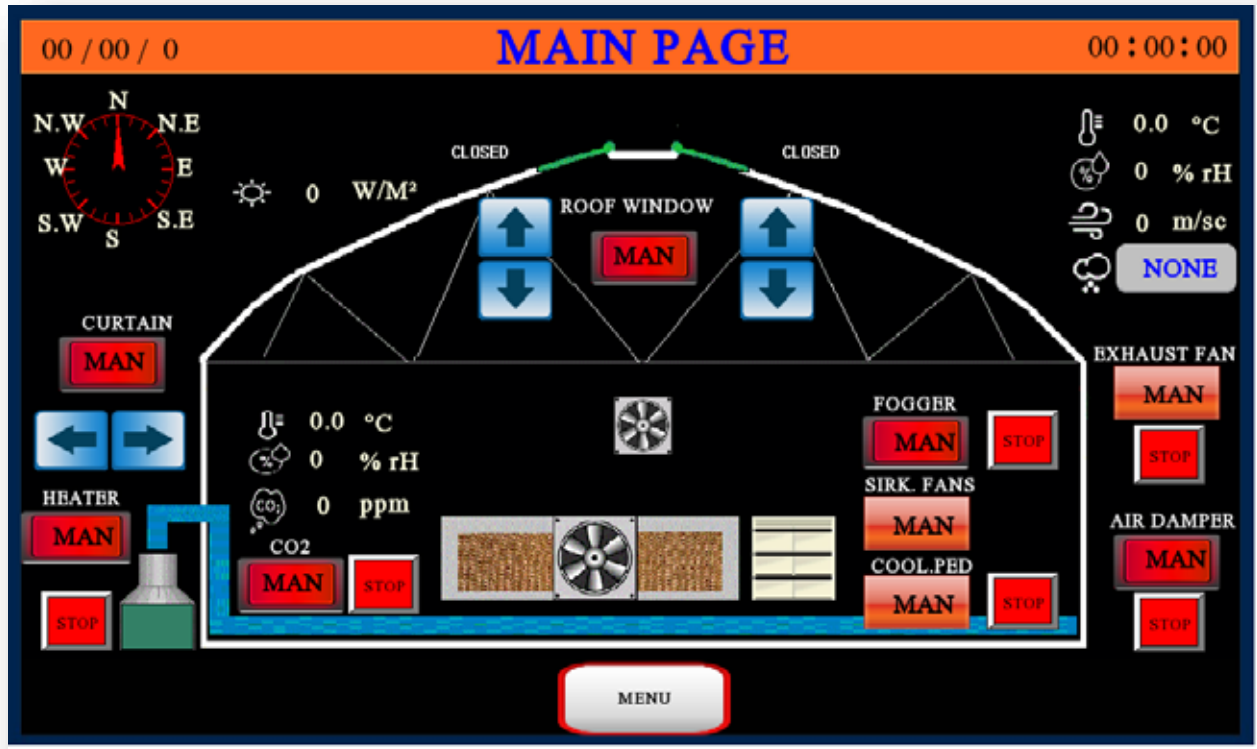
Instant measurements with external sensors:

- Wind speed (m/sec.)
- Wind direction (0-360°)
- Outdoor temperature (C°)
- Outdoor humidity (%RH)
- Rain precipitation status (yes/no)

Instant measurements with internal sensors inside the greenhouse:

- Temperature (C°)
- Indoor humidity (%RH)
- Solar light intensity (W/m²) (optional)
- CO₂ rate (ppm) (optional)
- All equipment and devices can be used automatically or manually in the desired mode. The control panel can be connected to the internet via the ethernet input to be connected to the system. (Connection access quality depends on internet quality.)
- TURKISH and ENGLISH user language options





CONTROL OUTPUT TO GREENHOUSE:

1. Ventilation windows (reverse wing ventilation according to the wind direction)
2. Humidity control (control the fogging system according to the indoor humidity requirement)
3. Curtain control (Automatic control of the curtain system according to the desired illumination values)
4. Heating control (for greenhouses with heating system)
5. Cooling control (for greenhouses with Cooling pad cooling system installed)
6. Circulation fan control
(Automatic control in case of heating and cooling with Time/Period setting)
7. Outside air; Wind speed and direction, rain situation, temperature, humidity, Inside the greenhouse: temperature, humidity, light intensity, CO2 amount data for 15 minutes. can record intermittently.



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