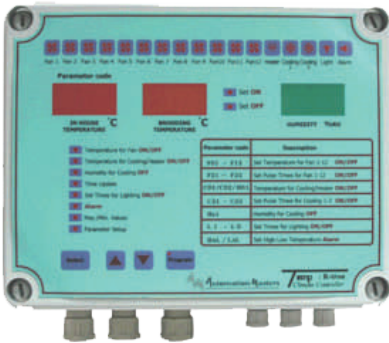


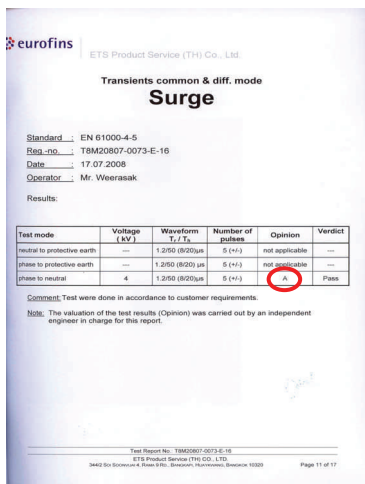
CLIMATE CONTROLLER TEMP RTRON



Temperature sensor



Humidity sensor



Product Data

Temp R-tron is controller design for the ventilation, can control the temperature and the humidity for the animals building, green house and in the industrial factory.

Specification Temp R-tron

- Ability to show temperature $^{\circ}\text{C}$ in color green and relative humidity %RH in color red.
- size that is appropriate can see although , can see in the little light
- Have a light indicator shows ON - OFF status, for the equipment control
- The casing apply IP 56 standard which is produce from Italy. It can protect from waterproof humidity and dust
- System can save data if the electricity cut off.
- The accuracy of temperature and humidity are 0.10°C and humidity 0.1% RH respectively.
- Ability to recalibrate temperature and humidity
- Ability to set the maximum and minimum target temperature and also heat stress index before 2 days.
- Ability to setting parameter for ON – OFF light 5 times per day
- Ability to save temperature and humidity data within 4000 events
- Data loader provide the function which is decrease the time for input data in case many farm (option)
- Ability to set program temperature for fan, pump and heater according to growth day
- Ability to link data through computer network in the office (maximum 64 controllers per computer)
- Systematically delay the work of each controller step by step when the case electricity switches off.

Output

- | | | |
|--|----|-----|
| 1. Relay for heater or pump | 1 | set |
| 2. Relay for fan | 12 | set |
| 3. Relay for pump | 1 | set |
| 4. Relay for alarm | 1 | set |
| 5. output 0-10 volt for control Inverter | 1 | set |

Input

- | | | |
|-------------------------------------|-----------|--------------------|
| 1. Temperature sensor | 2 | set |
| Measurement range temperature | 0 – 70 | $^{\circ}\text{C}$ |
| Accuracy value | 0.1 | $^{\circ}\text{C}$ |
| Deviated value | ± 1.0 | % |
| 2. Humidity sensor | 1 | set |
| Measurement range relative humidity | 0-99 | %RH |
| Accuracy value | 0.1 | %RH |
| Deviated value | ± 5.0 | % |



TECHNICIAN DATA

Circuit system	Electricity pressure	220-240 VAC			
	Frequency	50/60 Hz			
	Power consumption	20 Watts			
Fan	Relay	250 VAC,5A	Pump	Relay	250 VAC,5A
Heater	Relay	250 VAC,5A	Lighting	Relay	250 VAC,5A
Alarm	Relay	250 VAC,5A			

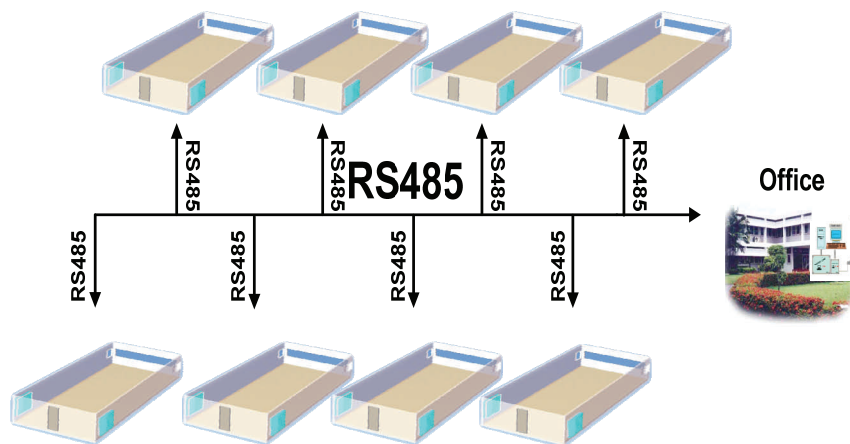
EMC test SURGE SURGE-EN 61000-4-5 [CLASS A]

A = The apparatus shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacture, when the apparatus is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacture, either of these may be derived from the product description and documentation and what the user may reasonably expect from the apparatus if used as intended.

B = The apparatus shall continue to operate as intended after the test No degradation of performance or loss function is allowed below a performance level specified by the manufacture, when the apparatus is used as intended. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed. No change of actual operating state or stored data is allowed. If the minimum performance level or the permissible performance loss is not specified by the manufacture, either of these may be derived from the product description and documentation and what the user may reasonable expect from the apparatus if used as intended.

C = Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls.

D = Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls.



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