- 320x240 pixel TFT LCD
- Heating PID or ON / OFF Control
- Cooling ON / OFF Control
- Analogue input (mA, mV, V, PT-100, Pronem-Midi)

Inputs
- Two temperature measurements;
  - Cabinet
  - Outside
- Humidity sensor measurement
- Digital inputs;
  - Fan Speed Input
  - Cabinet Door Open Input
  - Tray Rotation Limit Input

Outputs
- Heating SSR drive output
- Cooling SSR drive output
- Humidity relay output
- Shutter Open relay output
- Shutter Close relay output
- Tray Right rotation relay output
- Tray Left rotation relay output
- Shutter analogue output

Communications
- ModBus RS-232 and RS-485
- ModBus Ethernet
- USB communication for Data logging

Alarms
- Humidity control
- Shutter control
- Tray Rotation control
- Alarm parameters
- Real Time Clock
- Event logs

Heating and Humidity Alarms;
Alarms occurs when Min.Max. values are reached
- High or Low Temperature
- Band or Range Temperature
- High or Low Humidity
- Band or Range Humidity

General Alarms;
Alarms occurs when related digital input becomes active
- Lid Open
- Rotation Motor Fault
- Fan Fault
Alarm occurs related Process control
- Incubation Period Finished
Specifications

Protection Class : Front IP65, rear IP20
Operating Temperature : 0 - 50°C
Operating Humidity : 0 - 90% non condensing
Installation : Fixed
Overvoltage Category : II
Pollution Degree : II. office or workplace, non conductive pollution
Accuracy : ± % 0,25 of full scale
Sensor Break Protection : above scale
Max. Pulse Input value for fan : 30 000 rpm
Sampling Time : 100 ms
Outputs
  Analog Output : 0-20 mADC, 0-10 VDC (maximum 10 mADC)
  Relay Output : Resistive Load 5A@250 VAC (Electrical Life : 100,000 operation – Full Load)
  SSR Output : PNP (Source) type transistor output (Maximum 1A@24 VDC)
Approvals : CE, EAC