

JUMO**Controllers, Power units, System technology**

JUMO eTRON M100

Electronic refrigeration controller with real-time clock and data logger

Data
logging
as per
HACCP*



Features

- ❄ "Electrical" or "hot gas" defrosting procedure – can be selected
- ❄ 16 A relay for cooling unit and 8 A relay for defrost and fan function
- ❄ Operating hours meter with integrated service meter
- ❄ Alarm function via relay or buzzer
- ❄ Available with real time clock, data logger and RS485 interface
- ❄ Meets requirements in compliance with DIN EN 12 830 and DIN EN 13 485
- ❄ Setup program for configuration of the device and evaluation of the data logger

Main areas of application

- ❄ Cold displays
- ❄ Cold-storage rooms
- ❄ Refrigeration plant

Function summary

Measurement input 1 (configurable)

- 2-wire circuit
- Pt100
- Pt1000
- KTY1X-6
- KTY2X-6

Measurement input 2 (transducer as for input 1)

- 2-wire circuit
- Pt100
- Pt1000
- KTY1X-6
- KTY2X-6

Binary input

- floating contact for
- defrosting start/stop
- fan off/on (door contact)
- display switch-off
- key inhibit
- alarm acknowledgement

Supply voltage

- 12 – 24 V AC/DC
- +15/-15 %, 48 – 63 Hz

Setup interface

- for configuration from PC

Relay outputs

- ❄ changeover (SPDT) 16 A/250 V
- ❄ make (SPST-NO) 8 A/250 V
- ❄ make (SPST-NO) 8 A/250 V

LC display

- 3-digit display, back-lit, for displaying temperature and parameters

Option 1

- alarm contact relay (changeover SPDT 16 A/250 V)

or

- buzzer

Option 2

- data logger, real-time clock and RS485 interface

or

- RS485 interface

JUMOETRON M100

Controllers, Power units, System/Recording technology



- Process controls and programmers
- Automation software
- Electronic thermostats/microstats
- Safety temperature monitor / limiter
- Digital indicators

- Process controller
- Recording instruments
- Temperature transmitters
- Thyristor power switches / power units
- Software and accessories

Further information

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