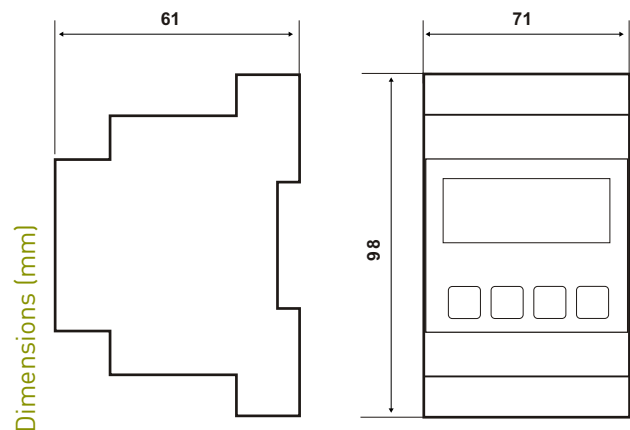


L23EM1B

Humidistat, DIN rail mounting

For humidification or dehumidification systems with a single outlet.



	Sensor	Num outputs	Power supply	Measuring range RH%	Resolution RH%	Measuring accuracy (0-100 RH%)	Degree of protection
L23EM1B	probe (LS160A)	1	230Vac±10%, 50/60Hz, 3W	0 - 100	1	<± 0.7	IP40 back panel

ELECTRICAL CHARACTERISTICS

Output on single-pole relay in deviation.
Contact rating 12(3.6)A 240Vac.
Power consumption 3W.

REGULATIONS AND APPROVALS

Compliant with EN60730-1, EN60730-2-9, EN55022 (CLASS B), EN50082-1.

INSTALLATION

DIN rail mounting.

OPERATION

Type of control: can operate in ON/OFF or PID mode.

ON/OFF control: in ON/OFF mode the output is ON or OFF depending on the input humidity, setpoint (1SP) and hysteresis value (1HY).

The hysteresis indicates the amplitude of the deviation of the setpoint humidity to reactivate the output.

PID control: in PID mode the output is ON for a fraction of cycle time 1CT.

The cycle time characterises the dynamics of the system to be controlled and influences the accuracy of the control.

Proportional control.

Integrative proportional control.

FEATURES

Configurable parameters:

- dehumidification or humidification function by assigning positive or negative sign to the differential respectively.
- minimum or maximum setpoint limits.
- ON or OFF status of the output in the event of a defective probe.

Operating temperature -10 to 50°C.

Degree of protection IP40.

ACCESSORIES



LS160A

RH% probe,

scale range from 0 to 100 %RH