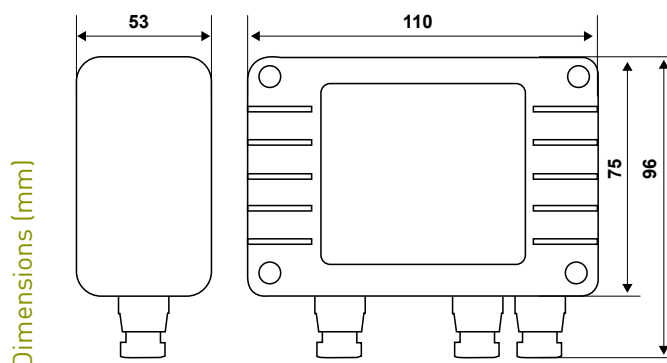


L24EM2

humidistat, wall mounting

For humidification or dehumidification systems with 2 outlets.



	Sensor	Num outputs	Power supply	Measuring range RH%	Resolution RH%	Measuring accuracy (0-100 RH%)	Degree of protection
L24EM2	probe (LS160A)	2	230 Vac	0 - 100	1	<± 0.7	IP55

ELECTRICAL CHARACTERISTICS

Output on single-pole relay in deviation.

Power consumption 2W.

Contact rating 8(3)A 240 Vac for each output.

REGULATIONS AND APPROVALS

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

INSTALLATION

Wall 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;
- minimum OFF time of the output.

Operating temperature -10 to 50°C.

ACCESSORIES



LS160A
RH% probe,
scale range from 0 to 100 %RH.