



LH964EX CLIMATE REGULATOR



Reliable climate regulator for top and side vent control

Highlights

- Extended ventilation control
- Automatic change of leeseide
- Extended controlling possibilities
- Rain and storm protection

The LH964ex Climate Regulator is particularly well suited for climate regulation in greenhouses where an exact, simple, and economical temperature regulation is required. If the temperature and air humidity is too high, this can be regulated by controlling the top and side vents with LH964ex.

Handy operation

With LH964ex, all it takes is a few settings to ensure the plants a better micro-climate and promote an optimal growth.

Temperature control

If the temperature is too high, the top vents will open first. If there is need for further ventilation, the side vents will open. When the temperature falls and the ventilation

therefore has to be reduced, all side vents (lee side and wind side) are closed simultaneously, together with the wind side of the top vents.

Extended controlling possibilities

By connecting signallers such as clock, hygostat, lee side signal, rain-storm alarm or a fire relay, a wide range of extra possibilities open up.

Humidity control

If the vents are kept a little open, a good air circulation can be obtained, and at the same time this permits the humid air to slip out. It is possible to adjust the LH964ex to determine if the vents always should stay a little open, only open at night, or only when the air humidity gets too high.

Automatic change of lee side

LH964ex has lee side control, making the regulator change lee side automatically when the wind direction changes.

By opening the lee side vents before the vents on the wind side, a good airing of the greenhouse is obtained without exposing the plants to draught. The wind side does not start to open until it is so hot that the temperature cannot be kept down just by opening the lee side alone.

However, you can always let the same vent side remain open regardless of the wind direction, or run the two vent sides in parallel, meaning that they open equally and at the same time. The side control follows the lee side control of the top vents.



SPECIFICATIONS / LH964EX CLIMATE REGULATOR

Technical specifications

Supply	230 V AC +10 % / -15 %, 50/60 Hz 115 V AC +10 % / -15 %, 50/60 Hz
Leeside-, Rain-, Fire inputs	24 V AC / DC Optocoupler mutually galvanic separated
Gear signals (6) outputs	24 V DC
Hygrostat input	Potential free contact 5 V, 0.5 mA
Temperature sensor	RT10 or the like

Rain and storm

LH964ex can protect the plants by closing the windows to a minimum in case of rain or high wind speed. If the temperature is too high and the top windows are closed due to rain or storm, the side windows will open.

Fire Prevention

In malls and office buildings there are specific security demands in case of fire. With LH964ex, these demands are met, as LH964ex connected to a fire relay can open several windows automatically. During a fire, the smoke is pulled towards the top of the room when the windows are open, facilitating escape out of the building.

Physical specifications

Dimensions H x W x D	200 x 300 x 100 mm
Weight	2.5 kg (5 lb)

Environmental specifications

Temperature	0 - 50° C without direct sunshine
Humidity	0 - 95 % RH without condensation

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