SV910EX SCREEN REGULATOR

For precise screen control

Highlights

- Temperature controlled step opening to prevent temperature drop
- Energy saving night function

Efficient Light Control

Too high light radiation may stop the growth. Too little light gives slow and, combined with too high temperature lanky growth. An optimal utilization of the light and at the same time avoiding damage to the plants by wrong radiation is the aim. Efficient control of the shading screens is therefore essential. SV910ex is well suited for building into existing systems.

High Radiation

With SV910ex the screens are controlled by the light radiation.They are automatically closed when the radiation exceeds the adjusted value. Correspondingly the shading screens are opened by falling radiation.

Energy Saving

By keeping the screens closed at night the heat loss from the greenhouse is reduced. Thereby considerable saving of energy is secured. In order also to utilize all growth active light the SV910ex opens the screens in the morning and closes them in the evening dependent on the light level.

Temperature Control

After a cold night the screens may open stepwise if a temperature sensor has been connected. Hereby sudden temperature drops in the house are avoided when the screens open in the morning. The temperature sensor may be an outdoor temperature sensor, or an indoor temperature sensor placed above the screens.

Humidity Control

When the screens are closed at day-time the air humidity around the plants may get high. It is possible to regulate this by opening the screens a little. By connecting a hygrostat the screens will only open by measured high air humidity.

Motor relay

SV910ex must be connected to either RO901 or RO902 motor relays.

SPECIFICATIONS / SV910EX SCREEN REGULATOR

Technical specifications

Supply	230 / 115 V AC +10 % / -15 %
Analoque inputs	Photo cell LF10. Temperature sensor RT10
Digital inputs	Potential free input for limitation (hygrostat). 12 - 24 V DC input for end stop

Physical specifications

Temperature	0 - 50° C (32 - 122° F) no direct sun radiation
Humidity	0 - 95 % Rh without condensation
Weight	1.5 kg (3 lb)
Dimensions H x W x D	200 x 300 x 100 mm (8 x 12 x 4")
Scale Shading function dawn / dusk, light Min. temperature	 0 - 100 klx 0 - 1.5 klx 0 - 30° C (32 - 86° F)

Accessories

Sensor	Photo cell LF10
Extra equipment	Outdoor temperature sensor RT11 or indoor temperature sensor RT10
Electromagnetic emission	DS/EN 61000-6-1
Electromagnetic immunity	DS/EN 61000-6-3

Distributor:

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