



SUN-PRO-01

General

A complex blind control with artificial light correction is possible using the SUN-PRO-01 SUN processor, the ZTLS-04 central daylight measuring head, blind control module JSM-02C-230V-2A and a radio controlled clock. Outside blinds can be protected by means of ice monitoring and wind and rain sensors. The blind module controls two separate blind motors and has extensive parameterisation options. The ZTLS-04 daylight sensor displays the current light values from the four compass points. SUN-PRO-01 calculates the current position of the sun for the blind control according to the position of the building, the

date and the time. It transfers two system variables for the azimuth value (direction from which the sun is currently shining) and the elevation value (angle of elevation of the sun from the horizon) of the current position of the sun to the master. The blind module can then set the angle of the slats for shading and forward the artificial light correction to the lighting using the specified parameter settings and the actual light values from the central daylight sensor. Note: you must state the geographical position of the building to be controlled when ordering!

Function displays

- 1 red LED indicates the operating voltage
- 1 yellow flashing LED indicates the communication with the Master.

Connections

- 2 connections for the subnet (BUS A and B, RS-485)
- 2 connections for the operating voltage (Ub, 0V)

Design

- Light grey plastic casing, can be snapped onto 35 mm DIN rail mounting 6 separating units

Technical data

Type	SUN-PRO-01
Art. Nr.	80085100
Operating voltage	12V to 35V DC or 12V to 27V AC
Current consumption	standby: 12V= 40mA ; 24V= 254.1.2mA; 35V= 18mA
Subnet (RS-485)	max. 5.6V limited by Z-diodes
Dimensions	BxHxT 106x90x59mm (6TE)
Weight	200g
Connection	Screw terminals 1.5mm ² , plugable
Operating temperature	-10...+50°C
Storage temperature	-25...+70°C

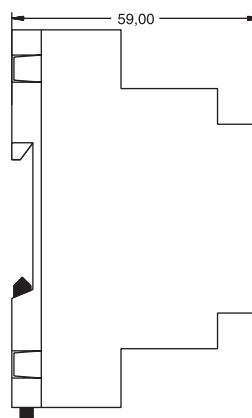
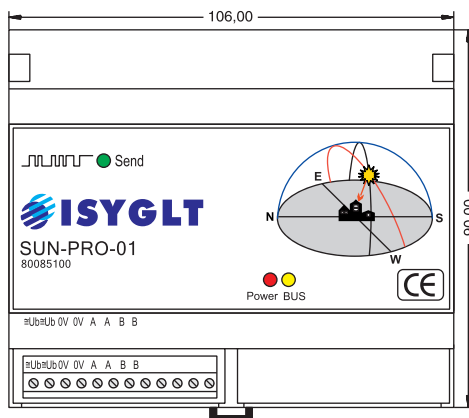
Technical data

SUN-PRO-01	Continued
Humidity	0 ...85 % r.F. non condensing
Protection grade	IP30
ESD immunity	Category 3 according to IEC-1000-4-2
EMV immunity	Use in typical industrial enviroment. Category 3 according to IEC-1000-4-4 (Test was carried out within a whole system)
CE sign	yes

Terminal assignment

\cong Ub	Operating voltage
\cong Ub	Operating voltage
0V	Operating voltage
0V	Operating voltage
A	Subnet (BUS A, RS-485)
A	Subnet (BUS A, RS-485)
B	Subnet (BUS B, RS-485)
B	Subnet (BUS B, RS-485)

View



Wiring diagram

