

The WINSTA® Sunblind Box is a decentralized, stand-alone unit that controls 4 sunblind motors operated via standard switches. Output group configuration, operating time and "slat/sunblind" mode selection are performed via DIP switch.

Operating the boxes in a network configuration provides extended functionality:

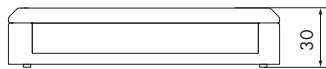
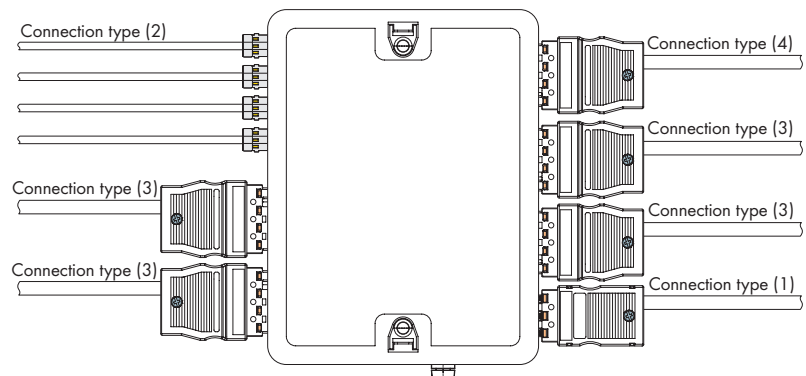
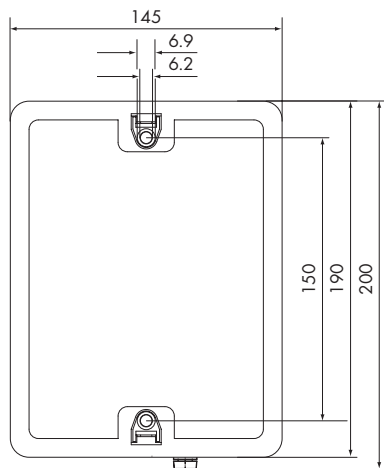
1. The sunblinds for all connected boxes are moved into the upper or end position via a central 24V control line. Either a weather station, a timer or a central switch enables this functionality.

2. The boxes also connect to a serial bus, allowing a higher-level control system to access up to 16 boxes connected to one bus segment. This operating mode addresses both individual channels and groups of boxes.

The "bus failure/voltage monitoring" function also enables the sun blinds to be moved to their top position on a bus failure or, for example, on a wire break.

Description	Item No.	Pack. Unit
WINSTA® sunblind box	770-629/130-000	1
<b>Accessories</b>		
750 Series WAGO-I/O-Module		
RS-485 / configurable	750-653/003-000	
Connector set for WINSTA® sunblind box 770-5001/100-000		
The set includes:		
1 x socket with strain relief housing, 3-pole (item no. 770-103)		
4 x plug with strain relief housing, 4-pole (item no. 770-114)		
1 x socket without strain relief housing, 4-pole (item no. 770-244)		
1 x strain relief housing, 4-pole (item no. 770-514)		
4 x female connector, 3-pole (item no. 734-103)		
4 x snap-on type strain relief housing (item no. 734-603)		
h-distribution connector, bi-directional, plug - socket / socket	770-633	

Technical Data	
<b>Supply:</b>	
Voltage supply	230 VAC, 50 Hz ... 60 Hz
Voltage range	± 10 %
Fuse protection	Internal, glass cartridge fuse, accessible from outside
Connection type (1)	Socket with strain relief housing, 3-pole (item no. 770-103)
<b>Configuration:</b>	
Configuration	via DIP switch/header
<b>Inputs:</b>	
Number of inputs	4 switch inputs for on-site switches
Signal voltage	12 V
Transmission medium	Control line: J-Y (St) Y 2x2x0.6 mm <sup>2</sup> , max. 10 m
Connection type (2)	Female connector, 3-pole (item no. 734-103) Snap-on type strain relief housing



### Technical Data

#### Motors:

No. of outputs	4 power outputs (up, down, locked against each other)
Switching voltage	AC 230 V
Switching current	1 x 6 A at 230 V AC
Switching power	300 W (AC3)
Connection type (3)	Plug with strain relief housing, 4-pole (item no. 770-114)

#### Control:

Operating mode	Bus control or central control via 24VDC signal
Connection type (4)	Socket with strain relief housing, 4-pole (item no. 770-244)
	Strain relief housing, 4-pole (item no. 770-514)

#### Bus control:

Data transmission	Serial, master-slave procedure
Baud rate	9,600 baud
Bus interface	Serial interface RS-485, max. 16 slaves
Transmission medium	Shielded bus cable: YCYM 2x2x0.8 mm <sup>2</sup> , max. 800 m

#### Central control via 24V signal:

Operating voltage	24 V DC +10 % / -50 %
Current consumption (internal)	max. 5 mA
Transmission medium	Shielded bus cable: YCYM 2x2x0.8 mm <sup>2</sup>

### Technical Data

#### Standards and approvals:

Conformity marking	CE
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#### General specifications:

Ambient operating temperature	-5 °C ... +55 °C
Storage temperature	-25 °C ... +70 °C
Dimensions (mm) W x H x L	200 x 145 x 30
Weight	approx. 450 g
Type of mounting	Wall screw adapter
Assembly	Interior area, e.g., intermediate floors, suspended ceiling
Mounting position	any
Degree of protection	IP20
Degree of pollution	2
Housing material	Polyamide (PA 6.6), flammability class UL94 V-0