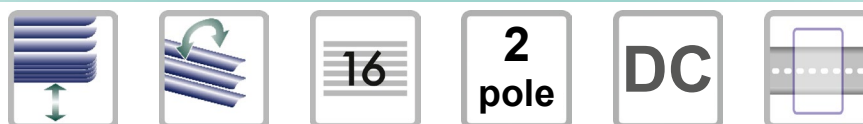


ST2124

Blind Control Module DC 4-fold



The Blind Control Module DC 4-fold was especially developed for the control of blinds in insulating glass and for blind drives with extended control requirements.

The connected blinds are controlled via a 2-pole electronic output by pole reversal. Up to 4 blinds can be connected to each of the 4 outputs and operated in total in 4 independent control groups.

The specific control characteristics of the ScreenLine MB blinds are especially supported when controlling the outputs.

The user interface with visual and acoustic feedback can be used both to control the blind groups for testing purposes and to make essential settings for the ST2124.

The configuration of the module can be performed conveniently via a configuration interface on the front of the device using a notebook and the *CTS Configuration Tool Software for Controls* application.

The 4 local push button inputs and a potential-separated central control input (Remote) enable convenient blind operation.

Alternatively, the inputs can be used as an enable input from a window contact.

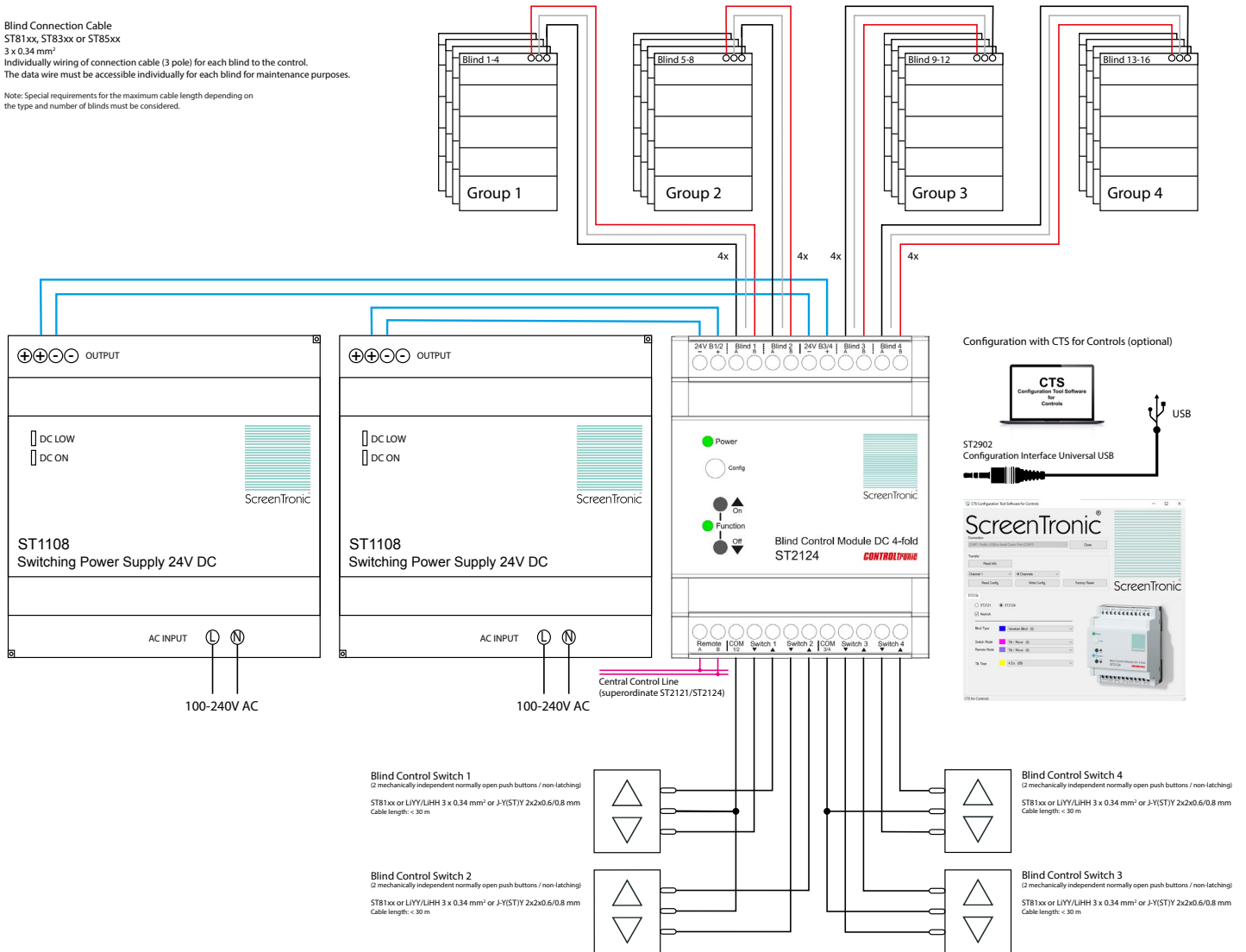
Product Features

- Operation and configuration directly at the front of the device (2 push buttons and 2 RGB LEDs)
optionally configurable via the interface on the device front using the Windows application *CTS for Controls* (ST2902 required)
- Operating modes:
 - Venetian blind
 - Venetian blind tilt only
 - Roller shutter / Pleated blind
 - Master (superordinate control / Attention: no direct blind connection allowed)
- Electronic switching output for 4 control groups
short time short-circuit-protected
- Local push button inputs for blind operation of 4 independent control groups
alternatively usable as enable input (window contact)
- Remote central control input (electrically isolated)
for superordinate control module (e.g. central control group) or alternatively usable as enable input (window contact)
- Supply voltage: 24V DC SELV +/- 5%
- Output load: 4 Outputs with each max. approx. 1.8 A / max. approx. 2.5 A (peak)
for SL MB blinds with integrated SC electronic and BLDC motor up to 4 blinds per output

ST2124 Blind Control Module DC 4-fold

Blind Connection Cable
ST81xx, ST83xx or ST85xx
3 x 0.34 mm²
Individually wiring of connection cable (3 pole) for each blind to the control.
The data wire must be accessible individually for each blind for maintenance purposes.

Note: Special requirements for the maximum cable length depending on the type and number of blinds must be considered.



Connection	Description	Comments	Connection	Description	Comments
24V B1/2 -	GND	Power Supply 24V DC for ST2124 + Control Group 1 and 2 (load dependent ST1102, ST1104 or ST1108)	Remote A	Remote A	Central Control Input 24V DC (superordinate control module) alternativ: Enable Input (potential-free window contact)
24V B1/2 +	+24V DC		Remote B	Remote B	
Blind 1 A	Blind Output 1 A	Blind Connection for Control Group 1 (max. 4 blinds SL MB)	COM 1/2	Push Button 1/2 COM	Blind Control Push Button 1 and 2 for Control Group 1 and 2 alternativ: Enable Input (potential-free window contact)
Blind 1 B	Blind Output 1 B		Switch 1 ▼	Push Button 1 Down	
Blind 2 A	Blind Output 2 A	Blind Connection for Control Group 2 (max. 4 blinds SL MB)	Switch 1 ▲	Push Button 1 Up	Blind Control Push Button 3 and 4 for Control Group 3 and 4 alternativ: Enable Input (potential-free window contact)
Blind 2 B	Blind Output 2 B		Switch 2 ▼	Push Button 2 Down	
24V B3/4 -	GND	Power Supply 24V DC for Control Group 3 and 4 (load dependent ST1102, ST1104 or ST1108)	Switch 2 ▲	Push Button 2 Up	Blind Control Push Button 3 and 4 for Control Group 3 and 4 alternativ: Enable Input (potential-free window contact)
24V B3/4 +	+24V DC		COM 3/4	Push Button 3/4 COM	
Blind 3 A	Blind Output 3 A	Blind Connection for Control Group 3 (max. 4 blinds SL MB)	Switch 3 ▼	Push Button 3 Down	Blind Control Push Button 3 and 4 for Control Group 3 and 4 alternativ: Enable Input (potential-free window contact)
Blind 3 B	Blind Output 3 B		Switch 3 ▲	Push Button 3 Up	
Blind 4 A	Blind Output 4 A	Blind Connection for Control Group 4 (max. 4 blinds SL MB)	Switch 4 ▼	Push Button 4 Down	Blind Control Push Button 3 and 4 for Control Group 3 and 4 alternativ: Enable Input (potential-free window contact)
Blind 4 B	Blind Output 4 B		Switch 4 ▲	Push Button 4 Up	

Dimensions	Designation	Order Number
DIN rail 4 modules	Blind Control Module DC 4-fold	ST2124
72 x 90 x 61 mm (W x H x D)		