

C-bus to elero interfaces

Features and overview

Page 1 of 2

Benefit for integrator:

Never again worry about damaged motors with wrong C-bus signalling!

All elero motor controllers provide a 0.5 seconds switchover delay that is required by all major tubular motor manufacturers. Even if up and down direction is activated at the same time from the C-bus system, no damage to the motor!

Features: (Controllers have partially additional features not listed here)	2-way REG	ProLine VarioTec 915	WKS- Primus	WKS-IR	ProLine AstroTec	ProLine AeroTec
Controls x motors	2	1	1	1	1	1
Can be used as group controller (dry contacts, short pulse)		✓		✓	✓	✓
DIN rail mounted	✓					
Flush, surface or in box. Designer frames are available (see i.e. www.jung.de)		✓	✓	✓	✓	✓
Built in operation buttons		✓	✓	✓	✓	✓
Available as Plug & Play with RJ 12 or 45 socket or plug	✓	✓	✓	✓	✓	✓
Operation modes	JA	RM/ JA	RM/ JA	RM/ JA	RM/ JA	RM/ JA
Built in remote receiver		Radio		IR		
Memorize 1 or 2 intermediate positions (RM mode) or tilt position (JA mode) which can be triggered with double pulse signal on ProLine controllers		✓		✓	✓	✓
Slide switch or Push button to disable central input/ timer/ sun sensor		✓	✓	✓	✓	✓
Override disabled central input with 5 second signal (can be disabled)		✓			✓	✓
Override disabled central input with 5 second signal in up direction in JA mode	✓		✓	✓		
Link to unlimited other REG, ProLine and WKS controllers	✓	✓	✓	✓	✓	✓
Fast plug-in link cable for central command	✓					
24 hour timer (1 Memory for up and 1 for down)			✓			
1 basic weekly timer OR disable sun sensor during adjustable times						✓
2 weekly timer programs (1 up and 1 down command for each day of the week)					✓	
Astro timer (Knows Sunset and Sunrise timer throughout the year for every location in the world), can be finetuned to suit individual needs					✓	
Sun sensor can be connected (15 levels, adjustable can also be used as dim sensor on AstroTec)					✓	✓
Wind sensor can be connected (11 levels adjustable)						✓
Article number		28.340.0901	24.659.0001	24.658.0001	28.060.0001	28.140.0001
List Price	184.50	210.00	128.00	182.70	204.00	211.00

Note: There are a number of more controllers available from elero for different applications. Please contact us should you be unable to find the right solution here.

To take control of the interface:

In the C-bus setup, under "key function" set "Bell press".

Controller behaviour depends on operation mode:

Explanation of operation modes "JA" and "RM"

JA mode:

Designed for Venetian blinds, Louvres, Awnings, etc. Also used on all sorts of blinds.

Short pulse of less than 2 seconds will move the motor only for the duration of the signal time for easy tilting of slats.

Signal duration of more than 2 seconds will run the motor for 90 – 180 seconds or until the built in limit switch is reached.

Signal duration in opposite direction will stop the motor. Motor will automatically reverse if signal is longer than 3 seconds.

A simultaneous signal in up and down direction for 0.2 seconds or longer will stop the motor, no matter in which direction the motor is running.

RM mode:

Designed for Roller blinds, Holland blinds, Roman Shades, Awnings, Shutters, doors, etc.

Short pulse of more than 0.2 seconds will run the motor for 90 – 180 seconds or until the built in limit switch is reached.

Signal duration in opposite direction will stop the motor. Motor will automatically reverse if signal is longer than 1 second.

A simultaneous signal in up and down direction for 0.2 seconds or longer will stop the motor, no matter in which direction the motor is running.

Important:

If wind sensor is attached to system, ensure all up operating options (Built in controller buttons, C-bus, external switches etc.) are bringing the system UP (or Awning IN)!

Controller inputs:

Individual input on controller:

Proline series: 3 (common), 2 (Down) and 1 (Up)

REG series: 3 (common), 2 (Down) and 1 (Up)

WKS series: 4 (common), 5 (Up) and 6 (Down)

Input cannot be switched off, will always respond to C-bus commands according to mode selected.

Central input:

Proline series: 6 (common), 5 (Down) and 4 (Up)

REG series: 4 (common), 5 (Up) and 7 (Down)

WKS series: 4 (common), 7 (Up) and 8 (Down)

WARNING: Input can be switched OFF on some controllers. Refer to manual for more information.

Requirements per motor or group:

- 2 Dry contact C-bus relays (One for up, one for down)
- 3-core (or 2-pair) shielded cable with 0.6 – 1 mm dia. core to elero Interface (or approved, shielded Phone cable type JY-ST ... x 0.6mm. Cat 5 cable can be used but limits on cable length might apply)
- 4-core cable (minimum 4x0.75mm) from motor controller to each motor

Always observe on connection:

- No parallel connection of motors

If cable recommendations are followed, there is no known limitation of distance within a building between:

- motor and elero Interface (240V wiring)
- elero interface to C-bus system (Low Voltage wiring)
- Low voltage inputs can be wired in parallel