autec®

CABLE CONTROLS

CONTROL WITHOUT RADIO FREQUENCY

AUTEC has developed the wired control units **Wired Can** (**WC**) and **Wired Analog** (**WA**) for applications where radio connections are difficult/banned, for elevated work platforms, and as back-up units. The top half of the units are the same as the Dynamic+ series (DJS, DJR, DJM, DJN, and DJQ), and are designed to protect the actuators from involuntary activation while also meeting operating needs, ergonomic requirements, and regulatory constraints. The lower half is purposely designed to house multi-pin connectors or cable glands, which makes the units highly configurable.

STANDARD FEATURES

- The safety functions can be configured in accordance with EN ISO 13849-1 up to PL e, cat. 4
- STOP button can be assigned as an "emergency stop"
- WA has up to 16 digital outputs, 6 proportional (voltage) or up to 12 proportional (PWM), and a fieldbus port (CANopen)
- WC has 4 or 8 digital outputs, up to 2 proportional (voltage) or up to 8 proportional (PWM), and a fieldbus serial port (CANopen)
- All models come with 4 digital inputs
- Power keyswitch to enable the control unit electronics
- IP65 protection rating (NEMA4)
- Easy to read display (even under direct sunlight)

STOP AND EMERGENCY STOP

Each cable control unit has a red stop button (**STOP**). With an appropriate cable connection, a stop button (rated current up to 2 A, 30 VDC) can be combined with machine safety circuits to be used as an emergency stop button (**EMERGENCY STOP**).
A "stop device" is defined as a manually commanded device that stops the machine in safe conditions, while an "emergency stop device" imposes an emergency stop, halting dangerous operations of a machine in an emergency. When a button fulfills an emergency stop function as well it is colored red with a yellow background. The choice of how this button is configured is based on the application requirements and a risk assessment of the machine.

WC-S+

WC-N+

WA-R+/WC-R+

WC-Q+

WA-M+/WC-M+

CONNECTION AND CABLING

Cable gland
Positioned at the side
or on the lower part

Circular connector (M12 type)
Positioned at the side

Souriau 10- or 19-pin circular connector
Positioned at the side

Multi-pin plug (Harting type)
Positioned on the lower part
(only on -R, -M and -Q models)

2.8” color display

4.3” color display

32-LED matrix

Cable control units can receive measurements from machines using CAN protocol and display data on 2.8” and 4.3” color, high-efficiency LED panel displays or LED matricies.

TECHNICAL DATA

Power supply	8-30 VDC
Power supply protection (fuse)	1.3 A
Rated current of the stop button contacts	up to 2 A (30 VDC)
Number of CAN outputs	1
Number of digital outputs	WC-S+, WC-N+, WC-Q+: up to 8 WC-R+, WC-M+: 4 WA-R+, WA-M+: up to 16
Number of proportional outputs (PWM)	up to 8 (4 bi-directional axes)* up to 12 (6 bi-directional axes)**
Number of proportional outputs (voltage)	up to 2* 6**
Number of digital inputs	4
Rated current of digital outputs	2 A (30 VDC)
Rated current of proportional outputs (PWM)	2 A (30 VDC)
Rated current of proportional outputs (voltage)	10 mA (28 VDC)
Output protection (F1 fuse)	10 A (32 VDC autofuse)
Protection degree	IP65 (NEMA 4)
Dimensions and weight WC-S+	258x170x126 mm (10.2x7.0x5.0 in) 1.3 kg (3.0 lb)
Dimensions and weight WC-N+	243x163x175 mm (9.6x6.4x6.8 in) 1.75 kg (3.8 lb)
Dimensions and weight WA-R+ and WC-R+	260x200x190 mm (10.2x7.9x7.5 in) 2.0 kg (4.4 lb)
Dimensions and weight WC-Q+	309x170x182 mm (12.2x6.7x7.2 in) 2.4 kg (5.3 lb)
Dimensions and weight WA-M+ and WC-M+	310x210x190 mm (12.2x8.3x7.5 in) 2.5 kg (5.5 lb)

* Only available on WC-S+, WC-N+ and WC-Q+ ** Only available on WA-R+ and WA-M+

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Made in Italy

Cert. UNI EN ISO 9001:2015 No. 50 100 2877 Design, manufacture and service of remote control systems for safety industrial application.

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