

CENTRONIK ELECTRIC ACTUATORS
MODULATING DUTY
GENERAL CHARACTERISTICS

SERIES **414**
415

The CENTRONIK electric actuators modulating duty consist of a basic CENTORK modulating electric actuator and a CENTRONIK programmable electronic control unit.

Due to its modular design it can be easily integrated with the CENTORK actuators in a single and compact unit. It can be directly retrofitted to basic actuators already installed. It also allows the mounting of additional boards/modules (Profibus, radiocontrol, etc.).



The CENTRONIK programmable electronic control unit (Modulating duty) includes all the necessary elements for an autonomous service of the electric actuators both in Local and Remote modes. This unit consist on the following modules:

- Reversing contactors for electric motor controls.
- Plug-socket electric connection between CENTORK basic actuator and CENTRONIK unit.
- Customer electric connections with 3 standard options.
- Frontal panel with lockable selector switch and push buttons with 5 indication LEDs (non intrusive).
- 2 digits display
- Power supply module with integrated transformer.
- Easily accesible fuses.
- Interface module (Input/Output) with opto-couplers (EMC protection). Configurable digital output signals (standard) or by relays potential-free contacts (optional).
- Programmable Logic module with microprocessor. DIP switches programming. Local programming by pushbuttons. Software programming posible. Phase control and diagnostic capabilities included in standard version.
- **CentralComReg** digital communication protocol by RS-422 serial interface (2 wires).

At high temperatures or with strong vibrations at the mounting location separate installation can be necessary. Various mounting sets are available for separate installation of the CENTRONIK unit.



The CENTRONIK unit meets the EMC 89/336/EEC directive.

Technical characteristics:

CENTRONIK Programmable electronic control	
Supply	380, 400, 415 V AC. Option: 500 V AC
Max. Motor power	4 Kw (contactors); 2 Kw (solid state relays)
Motor power controls	Contactors; solid state relays (option)
Ambient temperature	25°C to +65°C (-13°F to +150°F)
Environmental protection (EN60529)	IP67 (mounted on actuator)
Fuses	2x500 mA (20x5mm.). normal
Power consumption (control)	50 W
Current consumption (control)	0.13 A
Remote inputs	ESD + 1 Común
Local inputs	OPEN-CLOSE-STOP-DES
Remote outputs	5 digital or 5 relays(option) configurables Digital: 24V. 100 mA Relays: potential-free contacts
Serial interface	RS-422 Transfer speed: 9600 bauds.
Diagnostic capabilities	Reg service standard.

Subject to change without notice. Previous data sheets invalid with the issue of the latest data sheets.

VALVE
CONTROL



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