



ELECTROMEN - EM-324-SAF

DC motor positioning drive 12-24 V dc, 4 A,
analogue feedback

EM-324-SAF
DC motor positioning drive 12-24 V dc, 4 A, analogue
FB



- 12-24Vdc, 4A continuous, 6A peak
- Set value & feedback input, 0-5V, 0-11V, 0-20mA or potentiometer
- Positioning accuracy max. 0.2%
- Speed, direction, current limiting, soft start/stop and range adjustment control
- Compact, DIN rail mountable

PRODUCT DESCRIPTION

EM-324-SAF is a positioning driver to be used with DC-motors. The solid state power stage operates with high efficiency as it is realized with FET-transistors. Its literally everlasting compared to relay solutions. Control and feedback is done with analog signal. Control signal can be a voltage in range of 0 to 11V or current from 0 to 20mA. Feedback signal can be in the range from 0 to 11V. Driver supports also a potentiometer feedback, with auxiliary voltage outputs of 0V and 5,5V to excite the potentiometer. The max. accuracy available for positioning is 0,2% that is adequate for most actuator positioning applications. The settings and adjustments are done with parameters as in all new generation Electromen products. Movement range can be modified from both ends with SW-limit parameters. Current limits and driving speeds can be set individually for both directions. Driver includes also many other dynamic adjustment possibilities like parameters for load compensation, dead-zone setting (positioning window), start and stop ramps for a smooth direction change and braking zone for well operating positioning. The parameter setting and status monitoring is done with EM-236 Interface Unit. With EM-236 the right parameters can also be easily copied to other driver units. The on-board LED-light indicates the possible fault situations with blinking codes. If needed, the fault can be forwarded through combiport to other driver cards. Alternatively this port can be set to give out the "position OK" information or it can even indicate the position with an analog voltage signal. Device is EMC tested for industrial and household environment and operating temperature range is quite wide. There are also some housing options available for EM-241-SAF driver card.

FEATURES

- analog feedback
- multiple dynamic settings
- solid state power stage
- one or two pulse feedback
- voltage or mA control
- position accuracy max. 0.2%
- versatile setting options
- digitally settable parameters
- housing options available
- 2/16kHz pwm frequency options
- CE marked product

* 4A at 2kHz / 3A at 16kHz mom. 6A (Ta<50°C)

TECHNICAL DATA

Analogue input	0-5V or 0-11V or 0-20mA
Control type	Speed, Direction, Torque, Position, Soft start / stop
Current setting range	0.1-6 A

Dimensions length x width x height	72x32x25mm mm
Logic input high	>4V = ON
Logic input low	<1V = OFF
Max continuous current	*4 A
Mounting	DIN rail
Operating temperature	-40°C...+60°C
Peak current	6 A
PWM frequency	2kHz/16kHz
Suitable engine	DC
Supplier	Electromen
Supply voltage	12 V DC, 24 V DC
Weight	80 g

