

ELECTROMEN - EM-337-PLI

Parallel drive for 4 x DC motors 12-24 V dc, 4x10A

EM-337-PLI



- 12-24Vdc, 4x8A continuous, 4x10A 25% duty
- Synchronized parallel driving
- Operates with pulse feedback from motors
- Homing cycle & end of travel limits set by pulse counting
- Programmable with wide range of motor control functions

PRODUCT DESCRIPTION

EM-337 is a parallel synchro controller for up to 4 DC-motors. The controller has four H-bridge power stages. The driver works with actuators that can offer pulse feedback signal. The control is done with FW / BW commands. The synchronization control will keep all motors in the same speed and position. If synchronous error exceeds the set difference limit, all motors will be stopped. Device includes adjustable acceleration and deceleration ramps, which produce the smooth starts, stops and direction changes. Load compensation also enables good operation with asymmetric loads. Adjustable current limits can be set to protect motor and mechanics against overcurrent (over sized forces).

FEATURES

- synchronized 4 parallel driving
- operates with pulse feedback
- pulse counting PNP or NPN logic
- quadrature pulse counting
- current and temperature limit
- settable drive speed
- 2 or 16kHz pwm frequency
- acceleration and deceleration ramps
- stroke length limitation
- setting with serial interface
- brake (release) output
- safety switch input
- optional Rs-485 (Modbus) control
- safety reverse function

APPLICATIONS

- table lifter
- hatch control
- worktop control

TECHNICAL DATA

2421_Peak current (A)	4x25
5646_Dimensions length x width x height (mm)	142x73x28mm
Control type	Braking, Direction, Soft start / stop, Speed, Torque
Current setting range	1-25 A
Logic input high	>4V = ON
Logic input low	<1V = OFF
Max continuous current	4x8 A

Mounting	DIN rail
Operating temperature	-40°C...+60°C
PWM frequency	2kHz/16kHz
Suitable engine	DC
Supplier	Electromen
Supply voltage	12 V DC, 24 V DC
Weight	190 g

