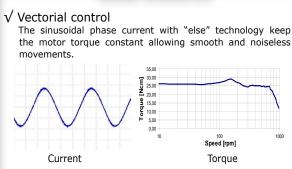
Methdaefurae



- $\sqrt{}$ Motor stall detection without encoder
- $\sqrt{\text{Smooth movement}}$
- $\sqrt{Compact size}$
- $\sqrt{Noiseless rotation}$
- √ Reliability
- $\sqrt{\text{Low EM emissions}}$
- $\sqrt{}$ Software resonance damping
- $\sqrt{}$ Auto tuning of motor control parameters
- $\sqrt{}$ High efficiency current set up
- $\sqrt{\text{Reduction of motor temperature}}$

 $\sqrt{\text{Digital IN 2} \div 24 \text{ Vdc}}$

Specifications

MODELS

REATTRES

Code	Power supply	Current max	Motors type
LWCD3032	24 ÷ 80 Vdc	3.2 Arms	3 phases
LWCD3070	24 ÷ 80 Vdc	7.1 Arms	3 phases

OPTO ISOLATED INPUTS 4 Digital IN 2 ÷ 24 Vdc NPN, PNP or Line-Driver 2 MHz

OPTO ISOLATED OUTPUT 1 Digital OUT 24 Vdc - 100 mA for status monitoring

STEP/REVOLUTION From 200 up to 51200 step/revolution (emulated)

SAFETY PROTECTIONS Over/Under voltage, Over Current, Over Temperature, Short Circuit Phase/Phase and Phase/Ground

STATUS MONITORING 3 LED with guiding light (green and red/yellow)

TEMPERATURE Working: from 0°C to 40°C. Storage: from -25°C to 55°C

HUMIDITY 5% ÷ 85%

PROTECTION CLASS TP20

Vectorial drivers for 3 phases stepper motors



Titanio drivers

- Equipped with advanced safety features:
 - $\sqrt{}$ Sensorless motor stall detection
 - $\sqrt{1}$ Integrated diagnostic

eff

by Ever Elettroni

 $\sqrt{Protections}$ against short circuit motor, open phases, over/under voltage and temperature

LWC drivers of Titanio series, based on Arm Core M4 technology, are the solution to control stepper motors in clock&direction mode with an accuracy, smoothness and noiseless never seen before for a stepper driver.

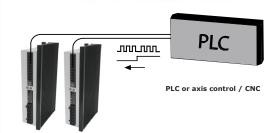
ELETTRONICA

the clever drive

ELETTRONICA PER AUTOMAZIONE INDUSTRIALE

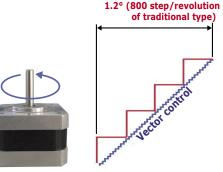
Via del Commercio, 2/4 -9/11 Loc. S. Grato - Z.I. 26900 - LODI (LO) - Italy Tel. 0039 0371 412318 - Fax 0039 0371 412367 email infoever@everelettronica.it www.everelettronica.it

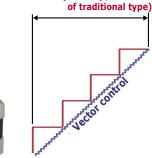
STEP & DIREGION



Setting of the current value by means of dip-switches

Selection of the number of step/revolution by means of roto-switches. In order to maintain compatibility with traditional drivers, the number of step/revolution have been emulated through software, the current regulation is always sinusoidal.



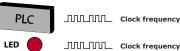


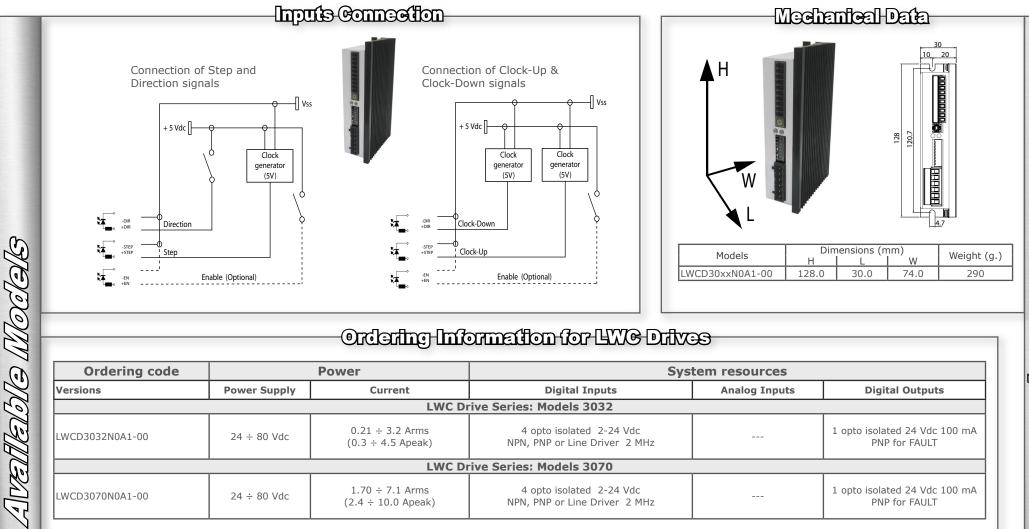
Possibility to select five user functions:

- 1 enabling of motor stall detection. Reading the motor BEMF, LWC drivers detect without encoder the step loss, showing alarm status with the
- 2 Step/Direction or Clock-Up / Clock-Down control mode.
- 3 enable input management (safety control).

Fault digital OUT and a LED sequence.

- 4 30% or 70% automatic current reduction (still motor).
- 5 enabling of "Clock Test" function, useful during the driver's installation, which shows the right presence of the clock signal through status LED flashing.





eevind SVVI rot action for LVVC Drives

Ordering code	Ordering code Power		System resources				
Versions	Power Supply	Current	Digital Inputs	Analog Inputs	Digital Outputs		
LWC Drive Series: Models 3032							
LWCD3032N0A1-00	24 ÷ 80 Vdc	0.21 ÷ 3.2 Arms (0.3 ÷ 4.5 Apeak)	4 opto isolated 2-24 Vdc NPN, PNP or Line Driver 2 MHz		1 opto isolated 24 Vdc 100 mA PNP for FAULT		
	LWC Drive Series: Models 3070						
LWCD3070N0A1-00	24 ÷ 80 Vdc	1.70 ÷ 7.1 Arms (2.4 ÷ 10.0 Apeak)	4 opto isolated 2-24 Vdc NPN, PNP or Line Driver 2 MHz		1 opto isolated 24 Vdc 100 mA PNP for FAULT		

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Versione 11.0.1