

# LW3A9030N2A1-00 Cut Sheet



Ever Motion Solutions AC open loop advanced microstepping stepper drive, 4.2A per phase, 2-phase output, 100-240 VAC, bipolar, position mode, 200 to 65536 steps per revolution.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/LW3A9030N2A1-00>

## Technical Specifications

<b>Brand</b>	Ever Motion Solutions
<b>Item</b>	Stepper drive
<b>Stepper Drive Type</b>	Open loop
<b>Controller Type</b>	Advanced microstepping
<b>Voltage Type</b>	AC
<b>Amperage Rating</b>	4.2A per phase
<b>Number of Output Phases</b>	2
<b>Nominal Input Voltage</b>	100-240 VAC
<b>Winding Type Control</b>	Bipolar
<b>Output Type</b>	MOSFET, dual H-bridge and bipolar chopper output
<b>Current Control</b>	4-state PWM at 40 kHz
<b>Steps per Revolution</b>	200 to 65536
<b>Encoder Output</b>	No
<b>Communication Port and Connection Type(s)</b>	(1) RS-485 (RJ11)
<b>Port Protocol(s)</b>	Ever Service protocol
<b>Port Speed(s)</b>	up to 19.2k baud
<b>Temperature Rating</b>	5 to 40 deg C
<b>Enclosure Type</b>	Enclosed
<b>IP Rating</b>	IP20
<b>Mounting</b>	Panel
<b>Control Mode</b>	Position
<b>Command Signal(s)</b>	<ul style="list-style-type: none"><li>• step and direction</li><li>• CW/CCW</li></ul>
<b>Stall Detection</b>	Yes
<b>Number of Discrete Input Points</b>	2
<b>Discrete Input Type</b>	Sinking/sourcing/line driver (differential)
<b>Number of Discrete Output Points</b>	1
<b>Discrete Output Type</b>	Sinking/sourcing
<b>Tuning Mode</b>	Pre-tuned or optional configuration software
<b>Idle Current Reduction</b>	Yes

<b>Drive Features</b>	Sinusoidal current control (quiet operation), anti-resonance (electronic damping), auto motor matching (self-configuration) and auto-tuning
<b>Protection Type(s)</b>	<ul style="list-style-type: none"><li>• overvoltage</li><li>• undervoltage</li><li>• short circuit</li><li>• overcurrent</li><li>• motor phase wiring error</li><li>• motor overload</li><li>• over-temperature</li></ul>
<b>Configuration</b>	Dipswitches or optional configuration software
<b>Additional Information</b>	Optional EVER-PGM-2 programming cable available for software configuration

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## Agency Approvals

<b>UL Listed File #</b>	None
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	None
<b>RoHS Status</b>	Meets RoHS Chemical Restrictions - No CE (See RoHS Statement Below)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>
<b>Other</b>	<a href="#">RoHS Statement</a>

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## Dimensional Drawings



2D Drawing PDF Link:  
[https://cdn.automationdirect.com  
/static/drawings/2d/LW3A9030N2A1-00.pdf](https://cdn.automationdirect.com/static/drawings/2d/LW3A9030N2A1-00.pdf)  
See store item page for other formats.

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