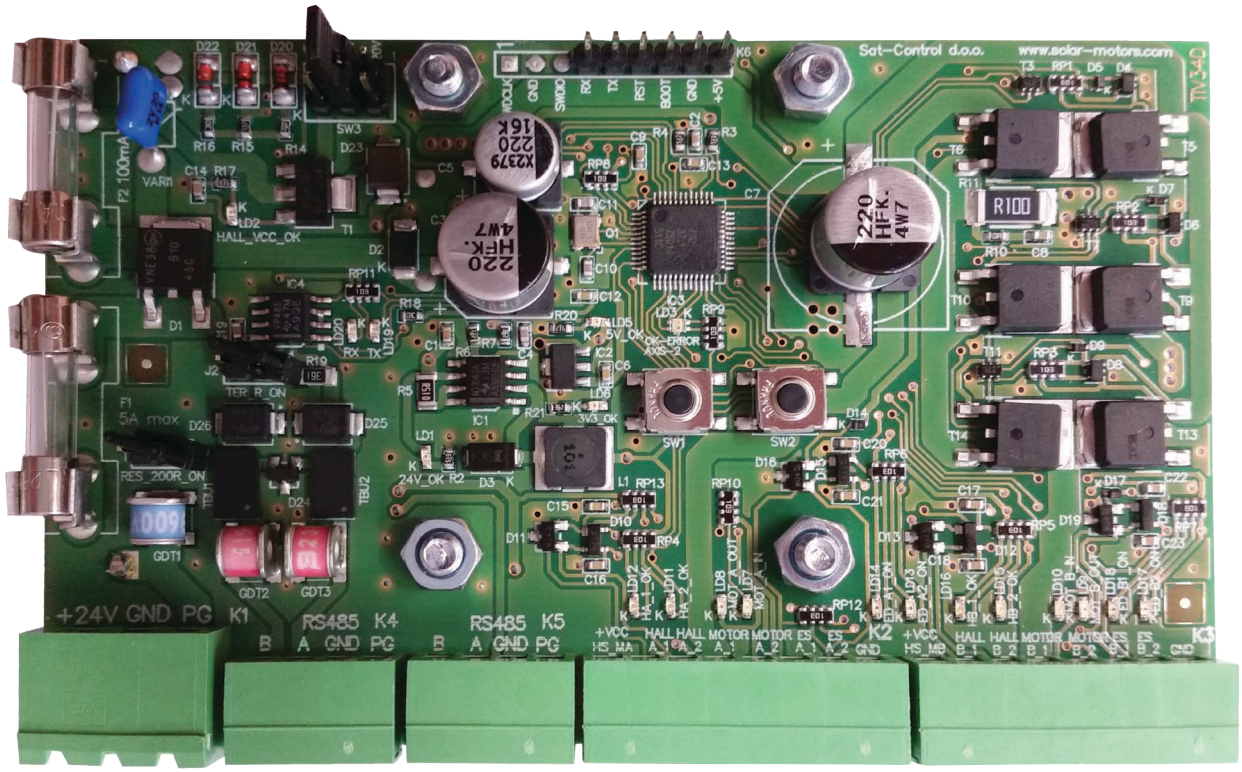
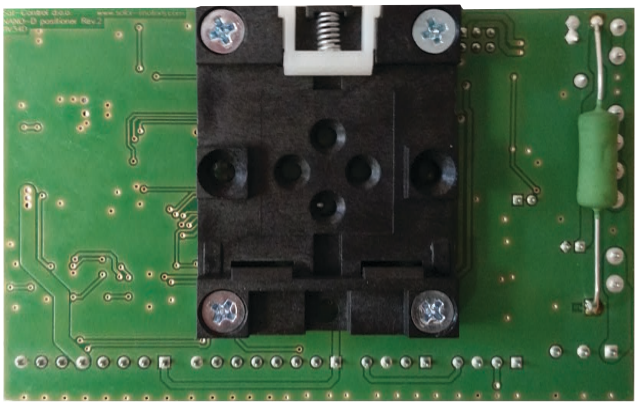
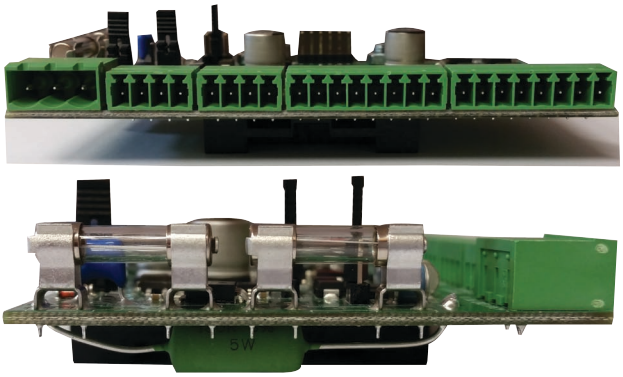
SOLAR POSITIONER NANO -D

Solar Positioner NANO-D POZSOLNANO-D / 0440







Solar Positioner NANO-D for Dual Axis Tracking

The dual axis Solar Positioner NANO-D set a new Positioning Accuracy Standard with RS485 communication, easy installation, safe operation and a simplified assembly concept: the new generation of positioners is ideally suited in middle-sized and large on-grid solar power plants. With the Sigma Server, Solar Positioner NANO D creates complete, integrated system for monitoring, diagnosis and configuration of the PV plant.

Overview

Professional
- Drive and positioning of Dual Axis Solar Trackers
- Integration of Sat Control equipment into existing control-room technology

Flexible
- Data interface in accordance with the MODBUS communication standards in the field of automation technology
- Simple and fast installation, high reliability

Reliable
- Direct communication with the Sigma Solar Server via RS485 Service Interface
- Meets the requirements of the EU Low-Voltage Directive for grid safety management

SAT CONTROL
Want to get more?
www.solar-motors.com

Sat Control d.o.o., SLOVENIA, Poženik 10, 4207 Cerklje, Phone: +386 4 281 62 00, Fax: +386 4 281 62 13, www.solar-motors.com, info@solar-motors.com

SOLAR POSITIONER NANO-D

Solar Positioner NANO-D POZSOLNANO-D / 0440

Technical Capabilities	
Operation	
Geometrical Operation	Dual Axis Positioner
Type	Slave Positioner
Communication	
Positioner communication	RS485 MODBUS
Interfaces	
Max. number of controlled devices	
Motors	2
Max. communication range	
RS485 cable distance	750 mm (twisted pair @ 0,5mm^2 pair wire)
Power supply	
Power supply	External SMPS type
Input voltage	24VDC +/- 15%
Power consumption	Typical 1 W
Environmental conditions in operation	
Ambient temperature	-30 °C ... +80 °C
Relative air humidity	0 % ... 85 %, non-condensing
General data	
Dimensions (L / W / H) in mm	112 / 30 / 80
Weight	73g
Mounting location	Indoors
Mounting options	DIN rail mounting
Status display	LEDs for; power (4), com. (2), ES (4), HS (4), Out (4), ERR (2)
Hall signals	2 Hall signals per Axis, 90° shifted (quadrature encoder)
End switches	2 Switches per Axis (one required, one optional)
Manual buttons	2 (East-West, Reference)
Upgrading	In the field via RS485 MODBUS via Sigma
Languages	
Software language	English
Language versions manual	English
Features	
Warranty	2 years
Certificates and approvals	www.solar-motors.com
Life Time	Min. 10 years; typical 20 years

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