

INVEOR M

Frequency inverters

Short manual

Size A to D



Distributor for:







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Sales department: **EPA** GmbH

Fliederstraße 8, D-63486 Bruchköbel

Deutschland / Germany

Telefon / Phone: +49(0)6181 9704-0 Telefax / Fax: +49(0)6181 9704-99

E-Mail: info@epa.de Internet: www.epa.de

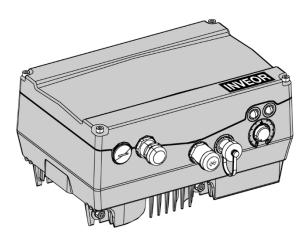
Author: KOSTAL Industrie Electrik GmbH

Release: 05.2019

Article: INVEOR M







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ΕN

DOC02298843-0000

KOSTAL Industrie Elektrik GmbH An der Bellmerei 10 58513 Lüdenscheid Germany Phone +49 (0)2351 16-0 Fax + 49 (0)2351 16-2400 info-industrie@kostal.com



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The INVEOR drive controller is a device for the speed control of three-phase AC motors. Before installing and using the INVEOR, the operator must have read and understood this document. Always use the drive controller as intended. The device may only be used within the permissible power range and under the permissible ambient conditions. The drive controller may not be operated in areas where there is a danger of explosion. The permitted operating range of all components must be observed at all times. Only use the product in accordance with the information provided in the detailed documentation

ee http://www.kostal-industrie-elektrik.com/INVEOR_M_Antriebsregler) and in accordance with the standards and guidelines applicable on site. It is essential that the information provided in the technical data is observed.

Material damage to the device and other equipment may occur if used improperly. The drive controller may therefore only be used for its intended purpose.



IMPORTANT INFORMATION

Using drive controllers in equipment that is not fixed is considered as an exceptional environmental condition and is only permitted if allowed by the standards and guidelines

- Only allow appropriately qualified staff to undertake assembly and disassembly.
- Only use staff who are trained in mounting, installation, commissioning and handling. Do not modify the drive controller.
- Observe general and national safety and accident prevention regulations The INVEOR may have touch currents of > 3.5 mA.
- In accordance with DIN EN 61800-5-1, an extra protective grounding conductor of the same cross-section as the original protective grounding conductor should therefore be fitted. A second protective grounding conductor can be connected under the mains supply (position marked with a ground symbol) on the outside of the device. A M6 x 12 screw (4.0 Nm torque) suitable for this connection is provided with the adapter plate. acy invertors are used the use of conventional type A EL
- protection switches, RCD (residual current-operated protective device), are not permissible as protection against direct or indirect contact!

 According to DIN VDE 0160 and EN 50178, the FI protection switch must be universal current sensitive (RCD type B).

Signs and labels are applied to the housing of the drive controller These signs and labels may not be altered or removed.

Symbol Meaning Danger due to electrical shock and discharge Danger Danger due to electrical shock and discharge Wait two minutes (discharge time of the capacitors) after shutdown Additional earth connection Observe and read operating manual Type plate containing the most important technical data and serial

1 SAFETY INSTRUCTIONS

SK OF DEATH DUE TO ELECTRICAL SHOCK AND DISCHARGE!

- not running:
 Supply terminals X1: L1, L2, L3
 Motor connection terminals X2: U, V, W
 Connecting terminals X6, X7: Relay contacts for relays 1 and 2

RISK OF DEATH DUE TO ELECTRICAL SHOCK AND DISCHARGE!

RISK OF BURNS FROM HOT SURFACES! SERIOUS BURNS TO THE SKIN FROM HOT SURFACES! Allow the drive controller's cooling elements to cool suf

RISK OF DEATH DUE TO RESTARTING MOTORS AND REVOLVING MECHANICAL PARTS!

Installation surface and immediate surroundings (only with wall mounting)

The installation surface and its immediate surroundings must display the following properties: fixed, vertical, level, not highly flammable, not permanently vibrating, The installation surface must provide a hold for retaining bolts.

Transport and storage



Damage to property possible

Risk of damage to drive controller!

Risk of damage to drive controller from improper transport, storage, installation and

In general, transport the drive controller correctly in its original packaging on a pallet. Always store the drive controller properly.

Only allow qualified staff to undertake installation and assembly.

Complete operating manual

You will find a detailed operating manual for the INVEOR drive controller online at http://www.kostal-industrie-elektrik.com/INVEOR_M_Antriebsregler.

EU Declaration of Conformity

KOSTAL Industrie Elektrik GmbH hereby declares that the drive controller described in this document complies with the basic requirements and other relevant conditions of the directives listed below.

- Directive 2014/30/EU (on the approximation of the laws of the Member States relating to electromagnetic compatibility (EMC))
- Directive 2014/35/EU (on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits - in short: Low Voltage Directive)
- Directive 2011/65/EU (restriction of the use of certain hazardous substances in electrical and electronic equipment, in short: RoHS Directive)

You will find a detailed EU Declaration of Conformity online at http://www.kostal-industrie-elektrik.com/de-DE/Download/Antriebstechnik

Contact details and service

If you have any technical questions, please contact our service hotline.

Country	Phone	E-mail
Germany and other countries	+49 (0)2331 8040-848	INVEOR-service@kostal.com

2 INSTALLATION

