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PS00013375A00

MDKE8 Series

Operating Panel

User Guide

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Preface

■ Introduction

The MDKE8 is an external operating panel with potentiometer, which is developed for MD200 series AC drives.

This guide provides product information, key functions, and wiring instructions. Read through the user guide before use. Contact Inovance if you have any question during use.



■ Revision History

Date	Version	Description
August 2023	A00	First release.

■ Access to the Guide

This guide is not delivered with the product. You can obtain the PDF version by the following methods:

- Do keyword search under Service and Support at *http://www.inovance.com*.
- Scan the QR code below to install the app, where you can search for and download manuals.



■ Warranty Disclaimer

Inovance provides warranty service within the warranty period (as specified in your order) for faults or damage that occur during normal operation. Maintenance will be charged after the warranty expires.

Within the warranty period, maintenance will be charged for the following damage:

- Damage caused by operations not following the instructions in the user guide
- Damage caused by fire, flood, or unusual voltage
- Damage caused by unintended use of the product
- Damage caused by use beyond the specified scope of application of the product
- Damage or secondary damage caused by force majeure (natural disaster, earthquake, and lightning strike)

The maintenance is charged according to the latest Price List of Inovance. If otherwise agreed upon, the terms and conditions in the agreement shall prevail.

For details, see Product Warranty Card.

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1 Product Information

1.1 Overview

MDKE8 is an external operating panel with a potentiometer. It supports status monitoring.

Table 1–1 Applicable drives

Operating panel model	Applicable drives
MDKE8	MD200

1.2 Dimensions

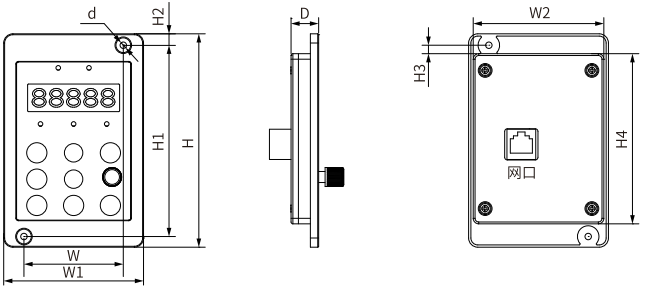


Figure 1-1 Appearance and dimensions of MDKE8

Outline dimensions (mm)									Mounting hole diameter (mm)
H	H1	H2	H3	H4	W	W1	W2	D	d
116	104	6.2	4.6	92.5	54	76	71	15	3.5

1.3 Components

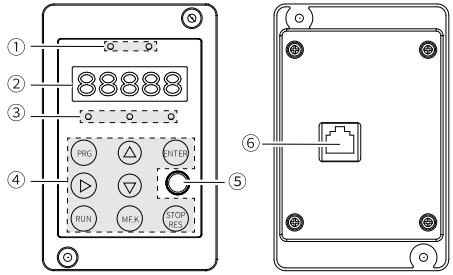


Figure 1-2 MDKE8 components

No.	Name
①	Status indicator
②	Display
③	Unit indicator
④	Key
⑤	Knob
⑥	Network port

- Status indicator

  The indicators are used to indicate the device status.

- Display

  The 5-digit LED can display the reference frequency, output frequency, various monitoring data, and alarm codes.

- Unit indicator

  Used to indicate the unit used currently.

Unit	Description
Hz	Frequency unit
A	Current unit
V	Voltage unit

Unit	Description
rpm (Hz+A)	Speed unit
% (A+V)	Percentage

- Network port
  Used to connect the drive.

1.4 Keys



Figure 1-3 Position of the keys

Table 1–2 Description

Key	Name	Function
PRG	Programming key	Used to enter or exit from level I menus.
ENTER	Confirm key	Used to enter the menu interfaces level by level and confirm the parameter setting.
	UP key	Used to increase data or parameter.
	DOWN key	Used to decrease data or parameter.
	SHIFT key	Used to select parameters to be displayed in the stop or running state, and select the digit to be modified.
RUN	Operation key	Used to start the drive in the operating panel control mode.

Key	Name	Function
STOP/RES	Stop/Reset key	Used to stop the drive when it is in the RUN state. Perform a reset operation when the AC drive is in the fault state.
MF.K.	Multi-function key	-
Knob	Adjustable potentiometer	Used to adjust the frequency of the drive.

1.5 Status Indicator

The MDKE8 operating panel is equipped with RUN and LOCAL/REMOT status indicators to indicate the status of the current device.

Table 1–3 RUN Indicators

Symptom	Example	Description
Steady on		The equipment is running properly.
Blinking		Power dip ride-through
OFF		Stop

Table 1–4 LOCAL/REMOTE indicator

Symptom	Example	Description
Steady on		Terminal control
Blinking		Remote operation
OFF		Keypad operations

2 Installation and Wiring

■ Connecting MDKE8 to the drive

The MDKE8 is applicable to MD200 series AC drives. The following shows the connection between MDKE8 and MD200 series drives. See the corresponding user guide for details if you need to use MDKE8 together with other drives.

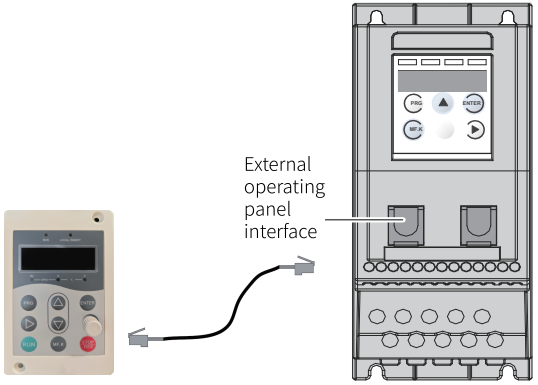


Figure 2-1 Connecting MDKE8 to the drive

Use the standard network cable recommended by Inovance.