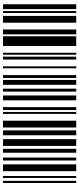




Emotron VS10/VS30 AC drive

Diagnostic modules



1-3520683

Mounting Instructions

1 General information

1.1 First read, then start

WARNING!

Read this documentation thoroughly before carrying out the installation and commissioning.

- ▶ Please observe the safety instructions!
-



This accessory may be operated under the same conditions as the assigned products. Deviating or additional operating conditions are given in this document.

Document description



You will find information on wiring and commissioning in the mounting and switch-on instructions of the inverter.



Information and tools with regard to the Emotron products can be found on the Internet:
<http://www.emotron.com/services-support/file-archive>









2 **Product description**
Keypad

Parameter setting and diagnostics

Thanks to the intuitive operating structure, the navigation keys allow a quick and easy access to the most important parameters, either to configure functions or to query current values. Parameters and actual values are indicated on the easy-to-read display.



Function of the keypad keys in operating mode			
Key	Actuation	Condition	Action
	Shortly	Local keypad control active. Display "LOC"	Run motor.
		Remote control active Display "REM" Display "KSTOP"	Deactivate keypad triggered stop. The motor remains at standstill. Display changes from "KSTOP" to "STOP"
	Shortly	No Jog operation	Stop motor. Display "KSTOP"
	Shortly	Operating mode	Change to parameterisation mode.
	More than 3 s	None (anytime possible)	Save parameter settings in the user memory of the memory module.
	Shortly	During operation	Scroll through information in the above status line.
	Shortly	Manual setpoint selection via keypad active. Display "MAN"	Change frequency setpoint.
	Shortly	Operating mode	Activate full keypad control Display "ON?" Confirm with Control and setpoint selection can now only be carried out via keypad. Actuating again: Display "OFF?" Confirm with Exit full keypad control.
	Shortly	Local keypad control active. Display "LOC"	Reversal of rotation direction. Display "REV?" Confirm with

Function of the keypad keys in the parameterisation mode			
Key	Actuation	Condition	Action
	Shortly	Local keypad control active. Display "LOC"	Run motor.
		Remote control active Display "REM" Display "KSTOP"	Deactivate keypad triggered stop. The motor remains at standstill. Display changes from "KSTOP" to "STOP"
	Shortly	No Jog operation	Stop motor. Display "KSTOP"
	Shortly	Parameterisation mode	Navigate to one level below. Group level, Parameter level [SUB parameter level] or Editing mode
		Editing mode	Exit editing mode and accept new setting.
	More than 3 s	None (anytime possible)	Save parameter settings in the user memory of the memory module.
	Shortly	Parameterisation mode	Navigate to one level above. [SUB parameter level] Parameter level Group level or Operating mode
	Shortly	Editing mode	Abort Exit editing mode without accepting new setting.
		Group level/Parameter level	Navigate: Select group/parameter.
	Shortly	Editing mode	Change parameter setting.
			Without function
			Without function

2 Product description

USB module

USB module

Interface to the PC

The USB 2.0-connecting cable is used to connect the inverter with the "EASY Starter" Emotron Commissioning & Maintenance Tool. The "EASY Starter" serves to configure the inverter via graphical interfaces. They create diagnostics with trend functions or monitor parameter values.

Parameterising without supplying the inverter with voltage: If you connect the inverter without hub directly to the PC, the USB interface of the PC is sufficient for the voltage supply.



Inverters with network option EtherCAT, PROFINET or EtherNET/IP must be supplied with an additional voltage (inverter AC power on) for setting parameters if a connection cable longer than 3 m is used.

Please observe the following for USB modules labelled as "PRE-SERIES": Inverters with network option EtherCAT, PROFINET or EtherNET/IP must always be supplied with an additional voltage for setting parameters.



WLAN module

The wireless interface

Wireless communication with the inverter.

- via a PC with the «EASY Starter» Emotron Commisioning & Maintenance Tool



WARNING!

► This product must not be collocated or operated in conjunction with any other antenna or transmitter.

► Le produit ne doit pas être utilisé en combinaison avec d'autres antennes ou transmetteurs.

LED status displays			
LED 1	LED 2	LED 3	Meaning
Power (green)	TX/RX (yellow)	WLAN (green)	
Supply voltage status	Communication status	WLAN status	
OFF	OFF	OFF	No voltage
ON	ON	ON	Self-test (approx. 1s)
ON	OFF	OFF	Ready for operation No active WLAN connection
ON	Flashing	ON	Communication active
ON	OFF	Blinking	Client Mode Waiting for connection
Blinking	OFF	OFF	Trouble

Additional conformities and approvals		
CE	R&TTE/RED	EN 301489-1 V1.9.2:2011
		EN 301489-17 V2.2.1:2012
		EN 300328 V1.8.1:2012-06

Connection data (default setting)	
IP address	192.168.178.1
SSID	<Product type>_<10-digit identifier>
Password	password

3 Mounting

3.1 Mounting steps



The mounting steps are the same for all diagnostic modules and the blanking cover. This example shows the installation of the Keypad.

1. Hook the diagnostic module into the upper mounting slots.



2. Turn it downwards until it engages into the lower mounting slot.



The diagnostic module is mounted.

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