

Platinum VSD & VSD - Plus

Diagnostic modules,
blanking cover



Mounting Instructions



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1 General information

Read first, then start

1 General information

1.1 Read first, then start



WARNING!

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

- ▶ Please observe the safety instructions!
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These modules are accessories for Platinum VSD & VSD - Plus inverters.

They may be operated under the same conditions as the inverters.

Deviating or additional operating conditions are given in this document.



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 LEESON products can be found on the Internet:

<http://www.LEESON.com> à Download

2 Product description

2.1 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

2 Product description

USB module

2.2 USB module

Interface to the PC

The USB 2.0-connecting cable is used to connect the inverter with a PC with the »EASY Starter« LEESON Engineering 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 directly to the PC without a hub, in many cases 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 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.

USB module	
Order code	Version
ISMADU0000000S	Parameter setting without voltage supply of the inverter USB 2.0 connecting cable required

Connecting cable		
Order code	Length	Version
EWL0085/S	3 m	USB 2.0-connecting cable (A plug to micro-B plug)
EWL0086/S	5 m	

2.3 WLAN module

The wireless interface

Wireless communication with the inverter.

- via a PC with the Leeson «EASY Starter» Engineering Tool or
- via the Leeson Smart keypad app for Android smartphones.

The app is recommended for adapting easy applications. The clearly arranged user interface of the app guides you intuitively and safely through all the menus. Operation corresponds to keypad operation.



WARNING!

- ▶ This product contains FCC ID: QQQWF121/IC: 5123A-BGTWF121
- ▶ To comply with FCC and Industry Canada RF radiation exposure limits for general population, the transmitter with its antenna must be installed such that a minimum separation distance of 20 cm is maintained between the radiator (antenna) and all persons at all times.
- ▶ This product must not be collocated or operated in conjunction with any other antenna or transmitter.
- ▶ -----
- ▶ Le produit contient un module transmetteur certifié FCC ID: QQQWF121/IC: 5123A-BGTWF121
- ▶ Afin de se conformer aux réglementations de la FCC et d'Industry Canada relatives aux limites d'exposition aux rayonnements RF pour le grand public, le transmetteur et son antenne doivent être installés de sorte qu'une distance minimale de 20 cm soit constamment maintenue entre le radiateur (antenne) et toute personne.
- ▶ Le produit ne doit pas être utilisé en combinaison avec d'autres antennes ou transmetteurs.

2 Product description

WLAN module

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. 1 s)
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
FCC	Part 15.107/15.109 ICES-003	

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

WLAN module	
Order code	Design
ISMADW0000000S	Range in open space: 100 m, conditions on site may restrict the range.

2.4 Blanking cover

Protection and optics

The blanking cover protects the terminals and provides for uniform optics if no other module is plugged on.



Blanking cover		
Order code	Version	VPE
		Piece
174359.00	Protection against dust Uniform optics	4

3 Mounting

Mounting steps

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 USB module.

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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