Network interface type CS102

3 110 58 – 3 110 59
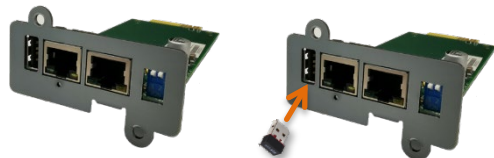
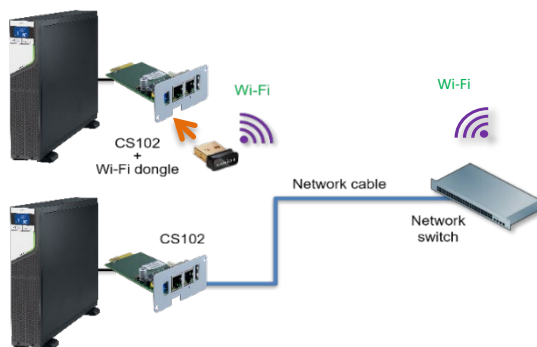## TABLE OF CONTENTS   Page

1. FEATURES

- **Overview**
  Network interfaces for UPS management via LAN or Wi-FI connection. The WI-FI dongle allows the UPS to be connected to the data network without additional cables.*
- **Multi-language user interface**
  The web pages of the CS102 support the following languages: German, English, French, Italian, Spanish.

- **Graphical interfaces**
  Several options are available for monitoring and configuring the CS102: internet browsers, every type of SNMP or MODBUS network management system, and UNMS/UNMS II software.
  The statistical analysis of the UPS's values are graphically shown through the web browser. Firmware updatable.

- **Data logging**
  Measurement values, alarms and battery test are written with time stamps into the non-volatile storage of the CS102 adapter.
  The time synchronization function through NTP ensures that all the data are written with precise time values.

- **Scheduler**
  The integrated scheduler, available via the web interface, allows you to program the UPS on/off or run battery tests.
  This secures that the UPS runs regularly battery tests and informs the user about problems via email, log file, etc.

- **Events notification**
  The CS102 can be configured to relay either all or only specific alarms via email or SNMP TRAP messages.
  The email client can use both public email servers and local mail servers.

- **Multi-Server shutdown**
  The "CS102 Shutdown Client" software, installed on each computer powered to the UPS, allows the execution of a safe shutdown in case of necessity.
  Available for Windows (Vista and higher) and Linux.
  Different methods are available for shutdown and restart the systems:
  - CS102 Shutdown Client: the operating systems are prompted to shutdown
  - Wake on LAN: the computers in a local network are prompted to start-up.

- **Network protocols**
  CS102 supports IPv4, IPv6, DHCP, DNS, HTTP, HTTPS, SSH, NTP, SMTP, SNMP, MODBUS TCP, Wake on LAN, UPnP, RADIUS

- **SNMP v1, v2 and v3**
  CS102 supports the RFC1628 MIB.
  This enables the CS102 adapter to be connected to every SNMP based network management systems.

- **MODBUS**
  CS102 is equipped with MODBUS TCP protocol, which allows integration with any management system based on MODBUS.

*Avaible only for 3 110 59

- **UPS supported**
  - Daker DK Plus
  - Keor S
  - Keor LP
  - Keor Line RT
  - Keor T
  - Keor T Evo
  - Keor SPE
  - Keor Compact

2. FUNCTIONS OVERVIEW

- HTTP / HTTPS / SSH
- SNMP / SNMP trap
- Email
- MODBUS over IP
- Wake on LAN
- Configuration
- Firmware update
- Log file, Historic data file

SHUTDOWN / MESSAGES
- Windows + CS102 agent
- Linux + CS102 agent

3. TECHNICAL DATA

Parameter	Value
Power supply	+5,5 ÷ +40 Vdc, 3W max
Dimensions (W x D x H), Weight	68 x 133 x 43, 69 g
Ethernet	1 Gbit (auto sensing)
Status LED's	Normal, boot/error
SNMP support (RFC1628)	PPC.MIB e RFC1628.MIB
Operating temperature	0 ÷ 40 °C
Storage temperature	0 ÷ 60 °C
WI-FI dongle Standard*	2.4GHz: IEEE 802.11b, 802.11g, 802.11n
WI-FI dongle Security*	WEP 64/128-bit, WPA, WPA2, and WPA3
Humidity	20 ÷ 95 %, not condensated
CPU	CPU ARM9 180 MHz, 32 bit
Flash memory	8 MB
Certification	CE