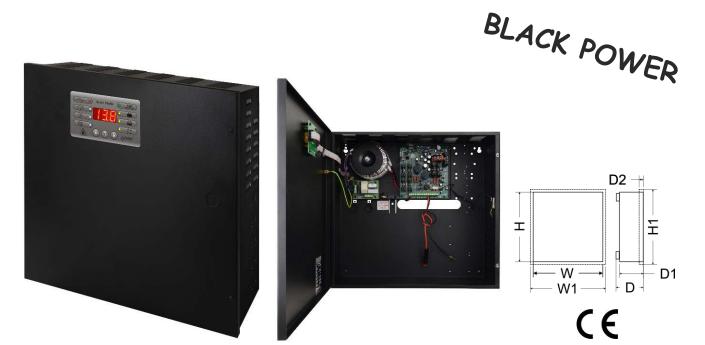


EN**

PSBEN 10A12E v.1.1/VI CODE:

PSBEN 13,8V/10A/65Ah/EN buffer, switched mode power supply unit TYPE:



This product is suitable for the systems designed in compliance with the EN 50131-6 grade 1, 2 or 3 and II environmental class."

Functional requirements	Requirements of EN 50131-6			PSBEN10A12E
	Grade 1	Grade 2	Grade 3	
EPS network absence	YES	YES	YES	YES
Battery low voltage	YES	YES	YES	YES
Protection against full battery discharge	-	-	YES	YES
Battery fault	-	-	YES	YES
No battery charge	-	-	YES	YES
Output low voltage	-	-	YES	YES
Output high voltage	-	-	YES	YES
PSU fault	-	-	YES	YES
Surge protection	-	-	YES	YES
Short circuit protection	YES	YES	YES	YES
Overload protection	YES	YES	YES	YES
Output fuse activation	-	-	-	YES
Battery fuse fault	-	-	-	YES
EPS technical output	YES	YES	YES	YES
APS technical output	YES	YES	YES	YES
PSU technical output	YES	YES	YES	YES
Collective failure input	-	-	-	YES
Remote battery test	-	-	-	YES
Tamper resistance – enclosure opening	YES	YES	YES	YES
Tamper resistance – detachment from the mounting surface	-	-	YES	YES

Buffer, switched mode power supply unit 13,8V DC



PSU features:

- EN50131-6 compliance, 1÷3 grades and II environmental class
- mains supply of 230VAC
- uninterrupted voltage of 13,8VDC
- fitting battery: 65Ah/12V
- high efficiency 80%
- PSU current efficiency:
 - 5,41A for grades 1, 2 *
 - 2,16A for grades 3 **
 - 10A for general use ***

(see: chapter 3.1)

- · low level of voltage ripple
- microprocessor-based automation system
- intelligent management of PSU's output power level
- 'SERIAL' communication port with implemented MODBUS RTU protocol
- remote monitoring (option: Wi-Fi, Ethernet, RS485, USB)
- free program 'PowerSecurity' for monitoring the PSU operation parameters
- · load current control
- · output voltage control
- · output fuse status control
- dynamic battery test
- · battery circuit continuity control
- · battery voltages control
- · battery fuse status control
- · battery charge and maintenance control
- deep discharge battery protection (UVP)
- · battery overcharge protection
- battery output protection against short circuit and reverse polarity connection

- jumper selectable battery charging current 0,6A/1,5A/2,2A/3A
- · remote battery test (additional module required)
- START button for battery activation
- STOP button for disconnecting during battery-assisted operation
- optical indication LED panel
 - output current readings
 - · output voltage readings
 - · failure codes with history
- · optical indication of PSU overload OVL
- · acoustic indication of failure
- · adjustable times indicating AC power failure
- technical inputs/outputs with galvanic isolation
- EXT IN input of collective failure
- EPS technical output indicating AC power loss
- PSU technical output indicating PSU failure
- · APS technical output indicating battery failure
- internal memory of PSU operating status
- protections:
 - SCP short circuit protection
 - OLP overload protection
 - OHP overheat protection
 - OVP over voltage protection
 - surge protection
 - against tampering: unwanted opening of the enclosure or detachment from the mounting surface
- · convectional cooling
- warranty 5 year from the production date

DESCRIPTION

The buffer power supply is designed in accordance with the requirements of the EN 50131-6 standard, grade 1÷3 and II environmental class. It is intended for an uninterrupted supply of alarm system devices requiring stabilized voltage of 12V/DC (+/-15%)

Depending on a required protection level of the alarm system in the installation place, the PSU efficiency and the battery charging current should be set as follows:

* Grade 1, 2 - standby time 12h

Output current 5,41A + 3A battery charge

** Grade 3 - standby time 30h if the faults of the main power source are reported to the Alarm Receiving Centre - ARC (in accordance with 9.2 – EN 50131-1 standard).

Output current 2,16A + 3A battery charge

- standby time 60h if the faults of the main power source are reported to the Alarm Receiving Centre - ARC (in accordance with 9.2 – EN 50131-1 standard).

Output current 1,08A + 3A battery charge

- *** General use if the PSU is not mounted in an installation complaint with the EN-50131 standard, the acceptable current efficiency amounts to:
 - 1. Output current 10A + 0,6A battery charge
 - 2. Output current 9,1A + 1,5A battery charge
 - 3. Output current 8,4A + 2,2A battery charge
 - 4. Output current 7,6A + 3A battery charge

Total current of the receivers + battery: 10,6A max.

In case of power decay, a battery back-up is activated immediately. The PSU is housed in a metal enclosure (color: RAL 9005 - black) with battery space for a 65Ah/12V battery. It is fitted with micro switches indicating unwanted door opening (front panel) and detachment from the mounting surface.

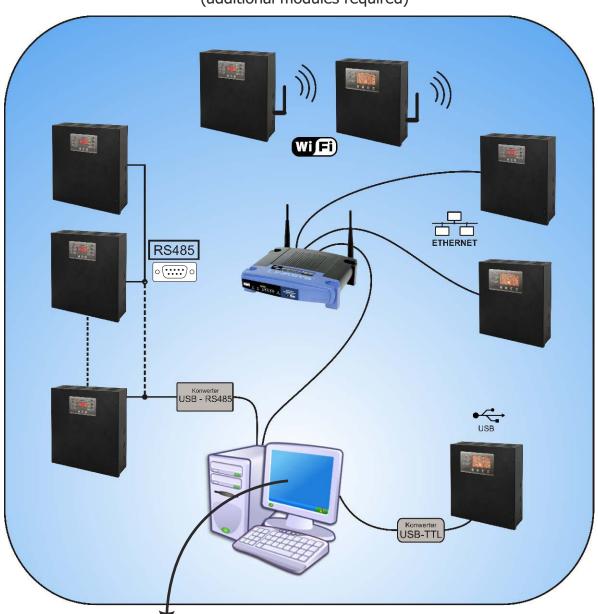


PSU type	SPECIFICATIONS			
Mains supply 230V/AC 50V/E (15%+10%)	PSU type	A, protection class 1÷3, II environmental class		
Current consumption 1.1 A				
PSUs power 1499/		· · · · · · · · · · · · · · · · · · ·		
Bittle-energy		· ·		
Output current 1,0V-13,8V DC - buffer operation	•			
Output current - to grades 1, 2				
To = 5,41 A+ 3A battery charging - (connection with ARC required, for grade 3: 10 = 2,16A + 3A battery charging - (connection with ARC required, compliant with 9.2 - EN 50131-1) 10 = 1,08A + 3A battery charging 10 = 1,08A + 3A battery charging 10 = 9,1A + 1,5A battery charging 10 = 9,1A + 1,5A battery charging 10 = 9,1A + 1,5A battery charging 10 = 7,5A + 3A batte		10,0V÷13,8V DC – battery-assisted operation		
Couput voitage adjustment range	Output current	Io = 5,41A + 3A battery charging - for grade 3:		
Ripple voltage		Io = 9,1A + 1,5A battery charging Io = 8,4A + 2,2A battery charging Io = 7,6A + 3A battery charging		
Section Part Par		·		
Battery charging current O, SA / 1,5A/2,2A/3A −l _{BAT} jumper selectable Electronic − current limitation and / or F _{BAT} fuse failure in the battery circuit (requires fuse replacement) Automatic return Overload protection OLP Program - equipment Variators Over voltage protection OVP Battery circuit protection SCP and reverse polarity connection Deep discharge battery protection UVP Bettery circuit protection SCP and reverse polarity connection Deep discharge battery protection UVP Indication of opening the cover of the power supply or detachment from the ground Technical outputs: - APS FLT; output indicating AC power failure - PSU FLT; output indicating battery failure - PSU FLT; output indicating battery failure - PSU FLT; output indicating PSU failure EXT IN technical input EXT IN technical input Voltage 'on' - 10+30V DC Voltage 'on' - 10+30				
Electronic - current limitation and / or F _{BAT} fuse failure in the battery circuit (requires fuse replacement)	batter-assisted operation			
Crequires fuse replacement Automatic return A	Battery charging current			
Surge protection Varistors Over voltage protection OVP U>15,5V, disconnection of the output voltage, automatic return (AUX+ disconnection) Battery circuit protection SCP and reverse polarity connection T10A- current limiting, F _{BAT} fuse (failure requires fuse-element replacement) Deep discharge battery protection UVP U<10,0 V (± 2%) – disconnection (-BAT) of the battery, configuration with jumper P _{BAT} Indication of opening the cover of the power supply or detachment from the ground Micro switch TAMPER Technical outputs:		(requires fuse replacement) Automatic return		
U>15,5V, disconnection of the output voltage, automatic return (AUX+ disconnection) Battery circuit protection SCP and reverse polarity connection T10A- current limiting, F _{BAT} fuse (failure requires fuse-element replacement) Deep discharge battery protection UVP P _{BAT} Indication of opening the cover of the power supply or detachment from the ground Technical outputs: - PS FLT; output indicating AC power failure - PSU FLT; output indicating battery failure - PSU FLT; output indicating PSU failure - PSU FLT; output indicating PSU failure EXT IN technical input Voltage 'on' − 10+30V DC Voltage readings - LED panel • output voltage readings • failure codes with history - Interface USB-RS485 'INTR'; communication: USB-TTL - interface USB-RS485 'INTR'; communication: USB-RS485 - interface USB-RS485 'INTR'; communication: RS485 - interface USB-RS485 'INTR'; communication: RS485 - interface USB-RS485 'INTR'; communication: RS485 - interface USB-RS485 'INTR'; communication: RS485- Ethernet - interface RS485-WiFi 'INTR'; wireless communication: RS485-WiFi - interface RS485-WiFi 'INTRW'; wireless communication: RS485-WiFi - interface RS485-				
Settery circuit protection SCP and reverse polarity connection T10A- current limiting, F _{BAT} fuse (failure requires fuse-element replacement)	Surge protection			
Departity connection	Over voltage protection OVP			
Indication of opening the cover of the power supply or detachment from the ground Technical outputs: - EPS FLT; output indicating AC power failure - APS FLT; output indicating battery failure - PSU FLT; output indicating battery failure - PSU FLT; output indicating PSU failure EXT IN technical input Voltage 'on' - 10+30V DC Voltage 'on' - 0+2V DC Level of galvanic isolation 1500V _{RMS} - LEDs on the PSU's pcb, - LED panel Optical indication: Optical indication: Additional accessories (not included) Additional accessories (not included) Additional accessories (not included) Additional accessories (not included) Operating conditions Interface WFF 'INTW'; wireless communication: WFFi - interface RS485-WFFi 'INTRW'; wireless communication: RS485-WFFi - interface WFS485-WFFi 'INTRW'; wireless communication: RS485-WFFi - interface RS485-WFFi 'INTRW'; wireless communication: RS485-WFFi 'INTRW'; wireless communication: RS485-WFFi 'INTRW'; wireless communi		T10A- current limiting, F _{BAT} fuse (failure requires fuse-element replacement)		
Technical outputs: - EPS FLT; output indicating AC power failure - APS FLT; output indicating battery failure - PSU FLT; output indicating PSU failure - PSU FLT; output indicating PSU failure EXT IN technical input Voltage 'on' - 10+30V DC Level of galvanic isolation 1500V _{RMS} - LED anel Optical indication: Optical indication: Additional accessories (not included) Additional accessories (not included) Operating conditions Departing conditions Depa	Deep discharge battery protection UVP			
- EPS FLT; output indicating AC power failure - APS FLT; output indicating battery failure - PSU FLT; output indicating PSU failure - Voltage 'on' - 10+30V DC - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic max 50mA/30V DC, galvanic isolation 1500V _{RMS} - type - electronic max 50mA/30V DC, ga		Micro switch TAMPER		
- type - electronic, max 50m/x30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50m/x30V DC, galvanic isolation 1500V _{RMS} - type - electronic, max 50m/x30V DC, galvanic isolation 1500V _{RMS} Voltage 'on' - 10+30V DC Voltage 'of' - 0+2V DC Level of galvanic isolation: 1500V _{RMS} - LEDs on the PSU's pcb, - LED panel • output current readings • output voltage readings • failure codes with history - interface USB-RTL 'INTU'; communication: USB-TTL - interface USB-RS485 'INTIR'; communication: USB-RS485 - interface Ethernet 'INTE'; communication: USB-RS485 - interface Ethernet 'INTE'; communication: Ethernet - interface RS485-Ethernet "INTRE'; communication: RS485-Ethernet - interface RS485-WiFi "INTRW; wireless communication: RS485-Ethernet - interface RS485-Ethernet "INTRE'; communication: RS485-WiFi Operating conditions 2nd environmental class, -10 "C+40 "C Enclosure - Steel plate DC01 1 mm, colour RAL 9005 (black) Enclosure dimensions 400 x 370 x 178 (WxHxD) [mm] (+/-2) Net/gross weight - Fitting battery Cheese head screw x2 (at the front), lock assembly possible Deklarations, warranty Cheese head screw x2 (at the front), lock assembly possible The enclosure does not adjoin the assembly surface so that cables can be led.				
- type – electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS} Voltage 'on' – 10+30V DC Voltage 'off' – 0+2V DC Level of galvanic isolation: 1500V _{RMS} - LEDs on the PSU's pcb, - LED panel • output current readings • output voltage readings • output voltage readings • interface USB-TTL 'INTU'; communication: USB-TTL - interface USB-TTL 'INTU'; communication: USB-RS485 - interface USB-RS485 'INTR'; communication: USB-RS485 - interface Ethernet 'INTE'; communication: USB-RS485 - interface Ethernet 'INTE'; communication: Wi-Fi - interface RS485-WiFi 'INTW'; wireless communication: RS485- Ethernet - interface RS485-WiFi 'INTRW'; wireless communication: RS485-WiFi Operating conditions 2nd environmental class, -10 °C+40 °C Enclosure dimensions 400 x 370 x 178 (WxHxD) [mm] (+/- 2) Net/gross weight Fitting battery Closing Cheese head screw x2 (at the front), lock assembly possible Deklarations, warranty CE, RoHS, 5 year from the production date The enclosure does not adjoin the assembly surface so that cables can be led.				
EXT IN technical input Voltage 'off' – 0+2V DC Level of galvanic isolation: 1500V _{RMS} - LEDs on the PSU's pcb, - LED panel output current readings - output voltage readings - failure codes with history - interface USB-TTL 'INTU'; communication: USB-TTL - interface USB-RS485 'INTR'; communication: USB-RS485 - interface USB-RS485 'INTR'; communication: USB-RS485 - interface USB-RS485 'INTR'; communication: USB-RS485 - interface WiFi "INTW'; wireless communication: Wi-Fi - interface RS485-Ethernet "INTRE"; communication: RS485- Ethernet - interface RS485-Ethernet "INTRE"; communication: RS485- Ethernet - interface RS485-WiFi "INTRW'; wireless communication: RS485-WiFi Operating conditions 2nd environmental class, -10 °C+40 °C Enclosure Steel plate DC01 1mm, colour RAL 9005 (black) Enclosure dimensions 400 x 370 x 178 (WxHxD) [mm] (+/- 2) Net/gross weight 9,2/10,6 kg Fitting battery 65Ah/12V (SLA) max. 380x185x165mm (WxHxD) max		- type – electronic, max 50mA/30V DC, galvanic isolation 1500V _{RMS}		
Optical indication: - LEDs on the PSU's pcb, - LED panel - output current readings - output voltage readings - failure codes with history - interface USB-TTL 'INTU'; communication: USB-TTL - interface RS485 'INTR'; communication: USB-RS485 - interface USB-RS485 'INTUR'; communication: USB-RS485 - interface USB-RS485 'INTUR'; communication: USB-RS485 - interface Ethernet 'INTE'; communication: USB-RS485 - interface Ethernet 'INTE'; communication: USB-RS485 - interface WiFi "INTW; wireless communication: Wi-Fi - interface RS485-Ethernet "INTRE'; communication: RS485- Ethernet - interface RS485-WiFi "INTRW; wireless communication: RS485-WiFi Operating conditions - 2nd environmental class, -10 "C+40 "C - Enclosure - Steel plate DC01 1mm, colour RAL 9005 (black) - Enclosure dimensions - 400 x 370 x 178 (WxHxD) [mm] (+/- 2) - Net/gross weight - 9,2/10,6 kg - Fitting battery - 65Ah/12V (SLA) max - 380x185x165mm (WxHxD) max - W - Closing - Cheese head screw x2 (at the front), lock assembly possible - Deklarations, warranty - CE, RoHS, 5 year from the production date - The enclosure does not adjoin the assembly surface so that cables can be led.	EXT IN technical input	Voltage 'off' – 0÷2V DC		
Optical indication: - LED panel - output current readings - output voltage readings - failure codes with history - interface USB-TTL 'INTU'; communication: USB-TTL - interface USB-RS485 'INTR'; communication: USB-RS485 - interface USB-RS485 'INTUR'; wireless communication: USB-RS485 - interface WiFi 'INTW'; wireless communication: Wi-Fi - interface RS485-Ethernet 'INTRE'; communication: RS485- Ethernet - interface RS485-WiFi "INTRW'; wireless communication: RS485- WiFi Operating conditions - 2nd environmental class, -10 °C+40 °C - Enclosure - Steel plate DC01 1mm, colour RAL 9005 (black) Enclosure dimensions - 400 x 370 x 178 (WxHxD) [mm] (+/- 2) Net/gross weight - 9,2/10,6 kg - 9,2/10,6 kg - 65Ah/12V (SLA) max 380x185x165mm (WxHxD) max - 400x12 max 380x185x165mm (WxHxD) max - 400x12 max				
output voltage readings failure codes with history - interface USB-TTL 'INTU'; communication: USB-TTL - interface R\$485 'INTR'; communication: USB-R\$485 - interface USB-R\$485 'INTUR'; communication: USB-R\$485 - interface Ethernet 'INTE'; communication: USB-R\$485 - interface Ethernet 'INTR'; wireless communication: Wi-Fi - interface R\$485-Ethernet "INTRE'; communication: R\$485- Ethernet - interface R\$485-WiFi "INTRW'; wireless communication: R\$485-WiFi Operating conditions 2nd environmental class, -10 °C+40 °C Enclosure Steel plate DC01 1mm, colour RAL 9005 (black) Enclosure dimensions 400 x 370 x 178 (WxHxD) [mm] (+/- 2) Net/gross weight 9,2/10,6 kg Fitting battery 65Ah/12V (\$LA) max. 380x185x165mm (WxHxD) max	Optical indication:	- LED panel		
Additional accessories (not included) Additional accessories (not included) Additional accessories (not included) Additional accessories (not included) - interface Ethernet 'INTE'; communication: Ethernet interface WiFi "INTW'; wireless communication: RS485- Ethernet interface RS485-Ethernet "INTRE'; communication: RS485- Ethernet interface RS485-WiFi "INTRW'; wireless communication: RS485- WiFi Operating conditions - interface RS485-WiFi "INTRW'; wireless communication: RS485- Ethernet interface RS485-WiFi "INTRW'; wireless communication: RS485-WiFi Operating conditions RS485- Ethernet Interface RS485-WiFi "INTRW'; wireless communication: RS485- Ethernet Interface RS485-WiFi "INTRW'; wireless communication: RS485- Ethernet Interface RS485-WiFi INTRW'; wireless communication: RS485- Ethernet Interface RS485-WiFi Interface RS485-WiFi INTRW'; wireless communication: RS485- Ethernet Interface RS485-WiFi INTRW'; wireless communication: RS485-WiFi Interface RS485-WiFi INTRW'; wireless communication: RS485-Ethernet Interface RS485-WiFi INTRW'; wireless communicatio	,	output voltage readings failure codes with history		
Enclosure Steel plate DC01 1mm, colour RAL 9005 (black) Enclosure dimensions 400 x 370 x 178 (WxHxD) [mm] (+/- 2) Net/gross weight 9,2/10,6 kg Fitting battery 65Ah/12V (SLA) max. 380x185x165mm (WxHxD) max Closing Cheese head screw x2 (at the front), lock assembly possible Deklarations, warranty CE, RoHS, 5 year from the production date Notes The enclosure does not adjoin the assembly surface so that cables can be led.	, ,	- interface USB-TTL 'INTU'; communication: USB-TTL - interface RS485 'INTR'; communication: RS485 - interface USB-RS485 'INTUR'; communication: USB-RS485 - interface Ethernet 'INTE'; communication: Ethernet - interface WiFi "INTW'; wireless communication: Wi-Fi - interface RS485-Ethernet "INTRE"; communication: RS485- Ethernet - interface RS485-WiFi "INTRW'; wireless communication: RS485-WiFi		
Enclosure dimensions 400 x 370 x 178 (WxHxD) [mm] (+/- 2) Net/gross weight 9,2/10,6 kg Fitting battery 65Ah/12V (SLA) max. 380x185x165mm (WxHxD) max Closing Cheese head screw x2 (at the front), lock assembly possible Deklarations, warranty CE, RoHS, 5 year from the production date Notes The enclosure does not adjoin the assembly surface so that cables can be led.				
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380x185x165mm (WxHxD) max Closing Cheese head screw x2 (at the front), lock assembly possible Deklarations, warranty CE, RoHS, 5 year from the production date Notes The enclosure does not adjoin the assembly surface so that cables can be led.	ŭ ŭ			
Deklarations, warranty CE, RoHS, 5 year from the production date Notes The enclosure does not adjoin the assembly surface so that cables can be led.	ritting battery			
Notes The enclosure does not adjoin the assembly surface so that cables can be led.	Closing	Cheese head screw x2 (at the front), lock assembly possible		
	Deklarations, warranty	, , , , , , , , , , , , , , , , , , , ,		
	Notes			



Parameters remote control system.

(additional modules required)



POWER SECURITY



Buffer, switched mode power supply unit 13,8V DC

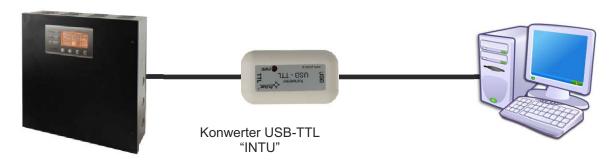


Remote monitoring (options: Wi-Fi, Ethernet, RS485, USB).

The PSU has been adjusted to operate in a system that requires a remote control of the parameters in a monitoring centre. Transmitting data concerning PSU status is possible due to an additional, external communication module responsible for communication in Wi-Fi, Ethernet or RS485 standard. The USB –TTL interface enables the connection between the PSU and the computer.

Communication via the USB-TTL interface.

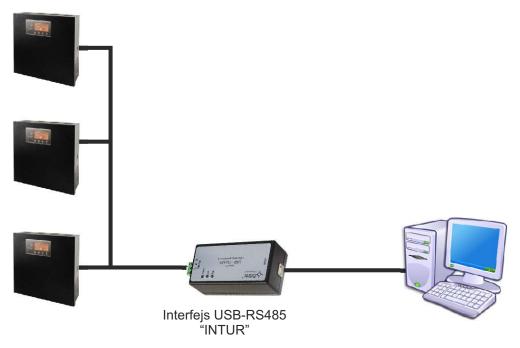
The easiest way of communication between the PSU and the computer is provided by the USB-TTL "INTU" interface. This interface allows direct connection between the computer and the PSU and is recognizable by the operating system as a virtual COM port.



USB-TTL communication using the USB-TTL "INTU" interface.

RS485 network communication.

Another type of network communication is the RS485 communication using two-wire transmission path. To achieve this kind of data exchange, the PSU should be equipped with the additional RS485 TTL "INTR" interface, converting data from the PSU into the RS485 standard and the USB-RS485 "INTUR" interface, converting data from the RS485 network to the USB. Offered interfaces are galvanically isolated and protected against surges.



Rs485 communication using the "INTR" and "INTUR" interfaces.

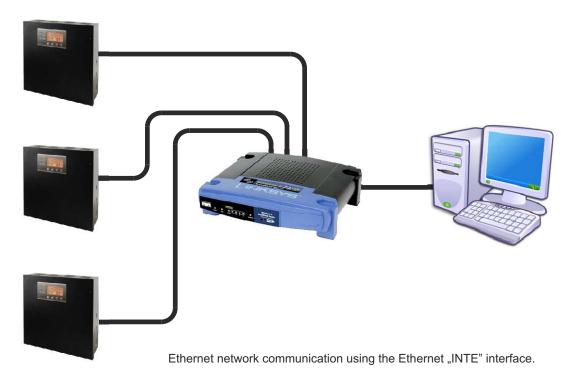
Buffer, switched mode power supply unit 13,8V DC



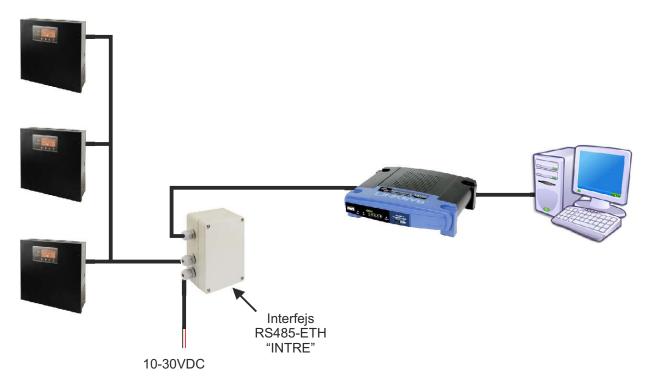
ETHERNET network communication.

Communication in the Ethernet network is possible due to the additional interfaces: Ethernet "INTE" and RS485-ETH "INTRE", according to the IEEE802.3 standard.

The Ethernet "INTE" interface features full galvanic isolation and protection against surges. It should be mounted inside the enclosure of the PSU.



The RS485-WiFi "INTRE" interface is a device used to convert signals between the RS485 bus and the Wi-Fi network. For proper operation, the unit requires an external power supply in the range of 10÷30V DC e.g. drawn from a PSU of the PSBEN series. The physical connection of the interface takes place under galvanic isolation. The unit is mounted in a hermetic enclosure protecting against adverse environmental conditions.



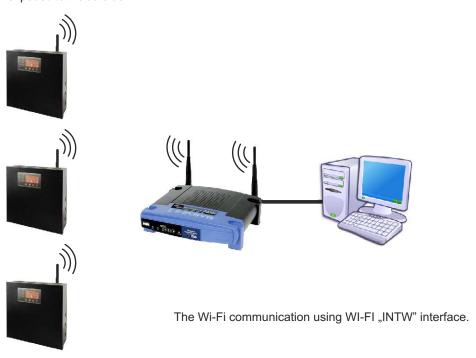
Ethernet network communication using the RS485 "INTRE" interface.

Buffer, switched mode power supply unit 13,8V DC

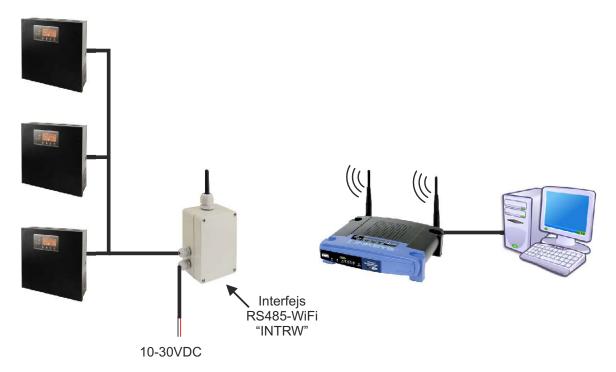


The Wi-Fi wireless communication.

The Wi-Fi wireless communication can be implemented on the basis of additional WI-Fi 'INTW' and RS485-WiFi interfaces, operating within 2,4GHz frequency band, according to the IEEE 802.11 bgn standard. The Wi-Fi "INTW" interface shall be mounted in a selected location inside the enclosure so that the antenna is exposed to the outside.



The RS485-WiFi "INTRW" interface is a device used to convert signals between the RS485 bus and the Wi-Fi network. For proper operation, the unit requires an external power supply in the range of 10÷30V DC e.g. drawn from a PSU of the PSBEN series. The physical connection of the interface takes place under galvanic isolation. The unit is mounted in a hermetic enclosure protecting against adverse environmental conditions.



The Wi-Fi communication using the RS485-WIFI "INTRW" interface.



OPTIONAL POWER SUPPLY CONFIGURATIONS:

- 1. Buffer power supply PSBEN 13,8V/8x1A/65Ah/INTERFACE
 - PSBEN 10A12E + LB8 8x1A (AWZ579, AWZ580)+65Ah+INTERFACE
- 2. Buffer power supply PSBEN 13,8V/2x12V/2x5A/65Ah
 - PSBEN 10A12E + 2xRN500 (13,8V/12V)+65Ah