

ME.140-14/10ASW-KTEI BUFFERABLE CCTV CAMERA INTELLIGENT II. POWER SUPPLY DISTRIBUTOR WITH BATTERY INSERTION OPTION, USER'S MANUAL OUTPUT 10

ATTENTION! Touching of mains terminal after power connection is dangerous! Use of protective earthing is compulsory for safety purposes!

1. Usage of the device

The device can be operated either in **UPS** or **PS** power supply mode. Selection of the operating mode is made by a DIP SWC inside. In **UPS** mode the output DC level is 13.8 VDC and cannot be adjusted. In **PS** mode the output level can be adjusted between 12 – 13.8 VDC. The **STATE** LEDs show the actual operation. The device has **ERROR** output contact which breaks in case of error (See **Table A**). The type of errors has to be permitted by DIP SWC inside. Choose the appropriate one according to **Table B**. The device switches off **LOAD** output if short-circuit or overload occurs. In every 20 s the **LOAD** output is tested.

Battery is for illustration only



2. PS operating mode (default)

Open the door of the device. Choose the **PS** operating mode by a DIP SWC. Plug the mains voltage to the input contact **AC IN 230 V 50/60 Hz** and the cameras to **OUT 1. - OUT 10** output. If the measured voltage at the cameras is dropped, (e.g. too long wire) increase the output voltage using trimmer potentiometer on the panel.

3. UPS buffered operating mode

Choose the **UPS** operating mode by a DIP SWC. Connect mains to connector **AC IN 230 V 50/60 Hz** and the battery to output **BAT** with proper polarity. Connect the cameras to **OUT 1. - OUT 10** output. Usage of **ME.12V/1A** voltage reducer unit is recommended.

4. Operation of deep discharge

The load is switched off if battery voltage is below 10.5 V.
The load is switched on if battery voltage is 12.5 V (battery is charged).
Charging time: 8 hours in case of 12V/7Ah battery.

Table A

LED lights		LED not light		Error contact delay
Mains OK:	AC	No power:	AC	20 s
LOAD output OK:	DC	No LOAD output:	DC	20 s
UPS mode with battery:	BAT	Deep discharge protection:	BAT	0 s
LED flashing				
UPS mode without battery:	BAT No battery			5 s
UPS mode with battery:	BAT Change battery			60 s test time

Table B

Specifications	Protections	DIP SWC settings
Input: 230 V $\pm 10\%$ 47 to 63 Hz 1.22 A Insulation class: I. Protection: IP 20 Rated power: 140 W Output voltage PS: 12 VDC to 13.8 VDC Output voltage UPS: 13.8 VDC Load current PS: 10 x 1 A Load current UPS: 10 x 0.92 A / 0.84 A Charging current UPS: 0.8 A / 1.6 A Space for battery: 12V / 7 Ah Error contact: max 30 VDC – 100 mA Max ambient temperature: -10 °C...+ 40 °C Dimensions: W = 210 H = 260 D = 67+8 (mm) Weight: 1.65 kgs	<u>AC input</u> Mains impulse overvoltage <u>DC output</u> Overloading (OLP) Short-circuit (SCP) Overheating (OHP) Overvoltage (OVP) Deep discharge (UVP) Reverse polarity (RCP) Camera output protection (10 x 1.3 A PTC)	1 – ON PS Mode OFF UPS Mode Choosable error types 2 – ON TEMP ERROR 3 – ON DC ERROR 4 – ON BATT ERROR 5 – ON AC ERROR 6 – OFF 0.8 A CHARGING ON 1.6 A CURRENR