

Switched-mode power supply assembly for lights ZZI-01/24



A photo of finished switched-mode power supply assembly for boom barrier lights type ZZI-01/24

Switched-mode power supply assembly is designed for controlling of incandescent lights (24V/10W - max. 6 pcs.) or LED lights on boom barriers, as an upgrade for RTC equipment. The assembly is installed inside the DC gate machine type JEGD-50 and 60, next to the terminal strip, using two bolts M6. The housing is made of aluminium profiles and protects the equipment effectively against mechanical damage.

OPERATING PRINCIPLE

When the boom is out of plumb by more than 15*boom barrier lights are activated by gate machine contact P3, and when the boom is out of plumb by less than 6*the lights are deactivated. In the event of P3 contact failure, it is possible to switch the assembly on and off by means of external emergency control pushbuttons. For easy identification of failures, there are two LEDs on the assembly housing notifying as follows:

- functioning of internal PSU- green LED
- correct operation of the assembly - red LEDs, flashing

SPECIFICATION

Parameter	Value	Notes
Supply voltage	20 – 30 VDC	rated 24 VDC
Driving power	60 W	Incandescent light type LZp 24 VDC 10W – max. 6 pcs LED light type LDc / LDcU 24VDC – max. 24 pcs.
Impulse frequency	~1 Hz	50 – 70 pulses per minute
Dimming depth	Down to 75% rated power	
Working temperature	-30°C to +40°C	
Method of installation	Screwed with 10 bolts M6 to the gate machine structure	