

## POWER SUPPLY DISTRIBUTOR LZ-8/E

The LZ-8/E is a simple passive power supply distributor that provides power from one higher power unit to several devices. The distributor splits the input into 8 outputs; each of them is protected by fuse and has indication of output voltage (the corresponding LED glows when the voltage is present at the output). The LZ-8/E has been equipped with two inputs for connecting the main power supplier. The inputs work in parallel, so there is no difference which of them is used, the DC 5.5/2.1 socket, or connecting block. This solution allows for linking the LZ-8/E distributors in series - e.g. the main supplying to DC IN socket of the first item, and its input connecting block - via a two-core cable, e.g. WT-2.1 - to corresponding input of the second LZ-8/E device.

It is ideal for connection with 5.5/2.1mm plugs and YAP75 cables, which are used in installations of cameras. A standard CCTV YAP75-0.59/3.7+2x0.5 cable has two wires 0.5mm<sup>2</sup> each. Theoretical resistance is 3.4Ω/100m. Manufacturer data is 5.5Ω/100m. In powering cameras with 12V DC over CCTV YAP75 cable and on the assumption that the voltage will fall to 11V, the power may be delivered over the following distances:

Max. current	Max. distance at R=3,4Ω/100m	Max. distance at a R=5,5Ω/100m
150mA camera	98 meters	60 meters
650mA camera+thermostat	22 meters	14 meters

This is the max. distance over which powering of 12V cameras over YAP-75 cable is possible

The self-adhesive distance elements allow to easy PCB assembly.

### SPECIFICATIONS:

Number of power outputs	8
Number of power inputs	2
Max. voltage	0-24V (usually 12V) DC
Max. total current	8A
Max. single output current	1A
Type of fuses	1A/250V, 5/20mm, delayed
Power inputs socket type	2.1/5.5mm socket / terminals
Power outputs socket type	terminals
Working temp. / relative humidity	from -50°C to +55°C / <95%



To change the fuse press the places indicated by arrows and pull perpendicularly to the PCB.