

MASTER/SLAVE EXTENSION CORD with Surge Protection

ZES 1M+5S

Operating instructions:

Warning: The protection function of overvoltage protection is guaranteed only in cases when the protection contact is connected to the earth conductor of your installation.

1. Mode switch

- **Manual Mode:** All outlets are connected to a power source and are under voltage.

- **Automatic Mode:** In this mode, individual sockets are turned on or turned off depending on the sensor integrated into the Master outlet. If a personal computer is connected to a Master outlet and the main switch is on Automatic mode all individual outlets will be activated via a relay switch when a computer is switched on. When a computer is turned off all individual outlets turn off again. The automatic turning on and off of slave outlets depends on the MPCP setting, which can be found on the side of the PC extension cord. (Point 7 power control).

2. When the green LED's are on, the extension cord is connected to the power supply and overvoltage protection is in function. When the green LED is off, the extension cord is disconnected or damaged - in this case the protection must be replaced.

3. Red LED: signals the functioning of slave outlets.

4. Master outlet

A master outlet in conjunction with the main control device controls the Master/Slave function. The maximum permissible operating current flowing through a Master outlet should not exceed 2.5 A or 575 VA.

5. Slave outlets for the connection of peripheral appliances.

Slave outlets are used for the connection of peripheral appliances e.g.: monitors, printers, optical readers, CD-drives or amplifiers. They can be used in both Manual and Automatic modes. Appliances connected to the extension cord should be designed for use in 230V/50Hz networks. The sum total of input power of appliances connected to slave outlets should not exceed 2300 VA or a maximum combined current of 10 A.

6. Overload protection

In the case of extension cord overload, which occurs if the connected appliances exceed the allowed power of 2300VA, the current is stopped by the overload protection function. This protection is intended for the protection of the extension cord itself as well as for the protection of appliances powered by the extension cord. Switch off the biggest appliance and reactivate the power supply by pressing the button.

7. Power controller

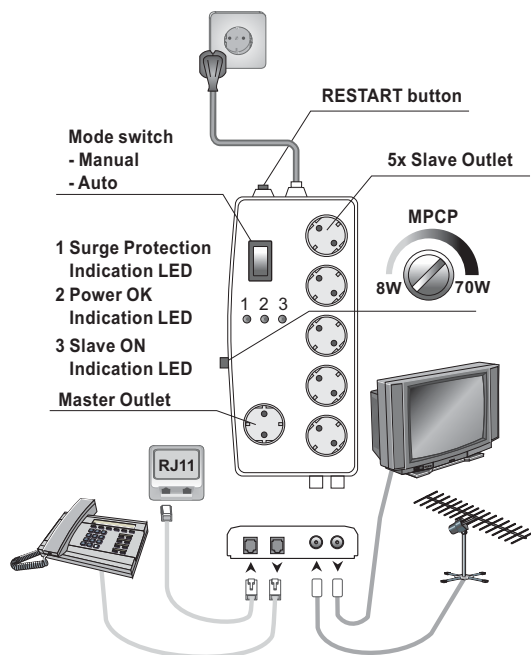
The power controller (MPCP) is used to set the sensor of the Master outlet. This way you can set the power value on the Master outlet, at which the slave outlets should be activated. When using a personal computer or audio system the MPCP is usually set in the central position. Should a personal computer connected to the MPCP set in the central position switch to standby mode the supply of all appliances connected to slave outlets will be stopped. If you do not want the supply of appliances to be stopped turn the MPCP setting clockwise until the yellow Slave LED light turns on.

Telecommunications protection

Integrated varistors take care of high voltage spikes and powerful current surges coming into the device via telecommunications lines, which are symmetrically discharged into the earth. Thanks to its multi-functional design, the protection enables all kinds of telecommunications transmissions i.e. analog telephone lines, digital telephone lines as well as ISDN lines.

TV protection

Gas discharge tubes are used for the adequate protection of aerial connections. They discharge interferences coming in via the TV installation which can damage your video cassette recorder, TV set, DVD recorder, TV inlet on your computer etc.



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Technical data

Designation	ZES 1M+5S
Rated operating voltage	230V AC / 50Hz
Max. permissible voltage	250V AC
Input power	max 2300VA
Rated current	max 10A; Master outlet max. 2.5A, 575 W
Connection cable length	1.8 m
Residual voltage	U _{p(L-N)} = 1KV
Hybrid pulse	U _{oc} = 3kV
Overload protection	10A, 250V
Exit outlets	Master outlet + 5 SHUKO outlets, 2x Rj11 telephone sockets, 2x TV sockets
LED indication	green LED ---- indication of voltage green LED---- indication of protection function red LED---- indication of slave function
Casing	plastic material, self-extinguishing
Dimensions	275 x 120 x 42 mm (length x width x height)

Safety instructions

1. The extension cord is an electrical device and as such must not be used in wet places.
2. The extension cord with the protection device should be checked for any external damage before installation and must not be installed if any defect has been established.
3. The protection device may only be used within the limits stated in the installation instructions.

Warning

The PC extension cord builds up some heat during functioning and therefore should not be fixed into the furniture or placed on heating devices. Similarly, it should not be covered with curtains or other textiles. The PC extension cord is designed for internal use and alternating current only. Never open the device! Opening or altering the device may destroy the protection circuit and will void the warranty!

Connection

1. For installation of the protection device the power socket must be grounded.
2. We recommend the installation of a surge protection device (e.g. PROTEC C 40/320) in the distribution box.



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