



DISTRIBUTING  
AND CONTROL SYSTEMS  
Type ZRS



GALVANIZATION  
AND ELECTROPHORESIS  
THYRISTOR  
POWER SUPPLIES  
Type TZG and TZE

Individual solutions conformable  
to Your needs  
up to 400kW

## Distributing and control systems type ZRS

ZRS systems are destined for low voltage electrical energy distribution, power supplying and guarding typical electrical circuits such as:

- transformers,
- AC motors,
- lightings,
- heating circuits.

ZRS systems are provided with proper protection mechanisms, contactors, relays, control systems, signalling circuits and often electronic blockades for separate circuits. ZRS systems are built into metal lockers.

## Galvanization supplies - TZG type

TZG are supply systems for galvanization device, containing six pulse thyristor converter. TZG systems are separated from the power supply by low output voltage transformer and supplies voltage from 0 to 24V and current up to 1500A.

## Electrophoresis supplies - TZE type

TZE systems are destined for supply electrophoresis painting tank. TZE are supplied by separator transformer with output voltage proper for paint. TZE are equipped with regulated six pulse thyristor converter and smoothing choke in DC link. Control of TZE is performed by PLC controller with control panel on the switchbox placed on front door or on remote control console. TZE supplies DC voltage from 0 up to 400V and current up to 1500A.

TZE are often made as laboratory supplies with output current 20A, very useful for technological process control. TZE type electrophoresis supplies are currently in use in most of Polish automobile factories (Poznan, Siedlce, Lublin, Nysa) and many metallurgical ones.

TZG and TZE supplies are built into metal lockers.

In case of order for any control systems we specify with customer voltage, current parameters, type of housing and control strategy.