

DEVICE FOR ELECTRIC POWER SUPPLY OF A SINGLE-PHASE APPLIANCE DURING A FAILURE OF ONE OR MULTIPLE PHASES



DEVELOPED AT TECHNICAL FACULTY OF SLOVAK UNIVERSITY OF AGRICULTURE IN NITRA

BASIC INFORMATION

AUTOMATIC SWITCH OF BROKEN PHASE

- the device is aimed to secure continuous stream of electric energy in case of one or more current phase breakdown for single-phase appliances
- two versions of the device are available: basic and enhanced with possibility of further individualisation
- in the case of a breakdown of one or two phases the device automatically shifts power supply to functioning phase which prevents the malfunction of appliances connected to the grid
- advanced version is capable of securing incoming energy supply for certain appliances in case of a breakdown of all phases through a built-in adapter

INDUSTRIAL APPLICABILITY

PROTECTION IN CASE OF CURRENT SUPPLY SHORTAGE

- device is suitable for home or professional usage (factories, warehouses, etc.)
- useful in a case of emergency of appliance breakdown connected to current supply shortage.

ADVANTAGES

SIMPLICITY AND VERSATILITY

- simple, cheap and responsible solution
- possibility of individualisation
- no need of back-up power supply
- possibility of deputy notification
- minimal consumption in all regimes
- unified platform

CURRENT STATE OF TECHNOLOGY

IP PROTECTED AND
COMMERCIALY TESTED
TECHNOLOGY

- valid Slovak utility model nr. 7978, pending PCT application WO2017051277
- existing and applied prototype

CONTACT

FOR MORE INFORMATION

RNDr. Jaroslav Noskovič, PhD.

+421 2 69 253 109

jaroslav.noskovic@cvtisr.sk

doc. Ing. Vladimír Cviklovič, PhD.

+421 37 641 57 83

vladimir.cviklovic@uniag.sk

TECHNOLOGY IS AVAILABLE FOR SALE (PATENT) OR LICENCING
