

# 60 years of experience in production of highest-quality relays



1958 Relay Division of REFA Świebodzice founded in Żary



1982 Independent enterprise of Zakład Przekazników established



1991 Zakład Przekazników transformed into Relpol S.A. in Żary

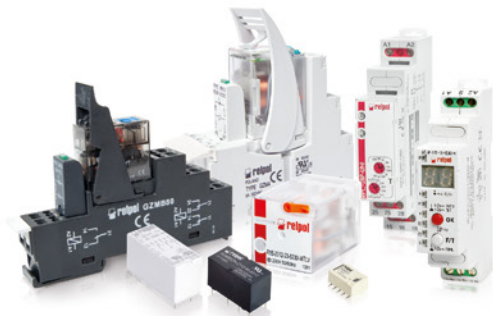


1996 Relpol S.A. IPO at the Warsaw Stock Exchange



2018 Relpol's presence in markets worldwide

**60** years  
1958-2018

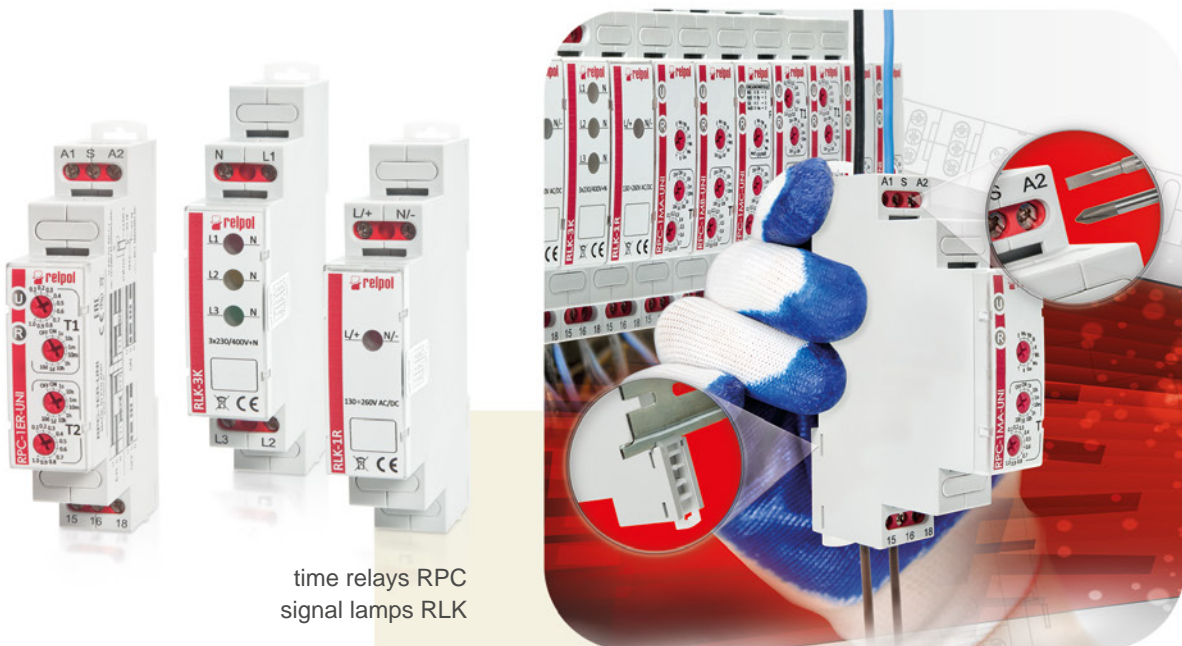


# Applications, certifications

- **Areas of relay applications:**
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  - for railroad industry – page 9
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- Monitoring relays – page 12



Innovative features of our technological solutions and reliability of our products are confirmed by numerous recognitions and certifications: VDE, UL, CSA, EAC, LR, CCCs, AUCOTEAM GmbH, IK and by prizes and awards.



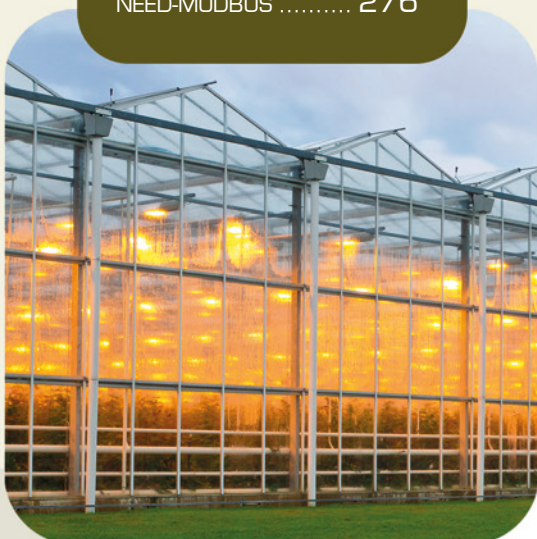
time relays RPC  
signal lamps RLK

# Programmable relays

- $I_n$  currents of outputs: 0,5 ... 10 A.
- Available versions of NEED relays:
  - with LCD display:  
8 inputs / 4 outputs, 16 inputs / 8 outputs,
  - without display:  
8 inputs / 4 outputs, 16 inputs / 8 outputs,
  - with relay outputs,
  - with transistor outputs:  
 $I_n = 0,5$  A (version 24 V DC),
  - with supply voltage:  
230 V AC, 12 V DC, 24 V DC, 220 V DC.
- NEED-MODBUS: communication modules  
NEED Master / ModBus RTU Slave.
- Methods of mounting:
  - NEED: on 35 mm rail mount or on panel mounting,
  - NEED-MODBUS: on 35 mm rail mount.



NEED-...-08-4.....	266
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## Applications:

- in industrial automation (device and process control),
- in ARC automation
- in BMS automation,
- in production management systems,
- in water systems,
- in air-conditioning, ventilation, heating systems,
- in lighting systems,
- various other applications.

