



2C PLC Relays

Defining an interface relay in simple terms

An interface relay is an electromagnetic switch operated by a relatively small electric current that can turn on or off a much larger electric current.

Which actions are executed?

Switching
Protection
Controlling
Filtering Isolation

An interface relay is an electrically operated switch that is used where it is necessary to control a circuit by a low-power signal.

It provides complete electrical protective isolation between control and controlled circuits.

Filtering AC power input signals in order to prevent leakage current.

Saving money and increasing efficiency for PLC outputs.

Reduced PLC outputs to meet energy consumption goals.

Which markets are they used frequently?

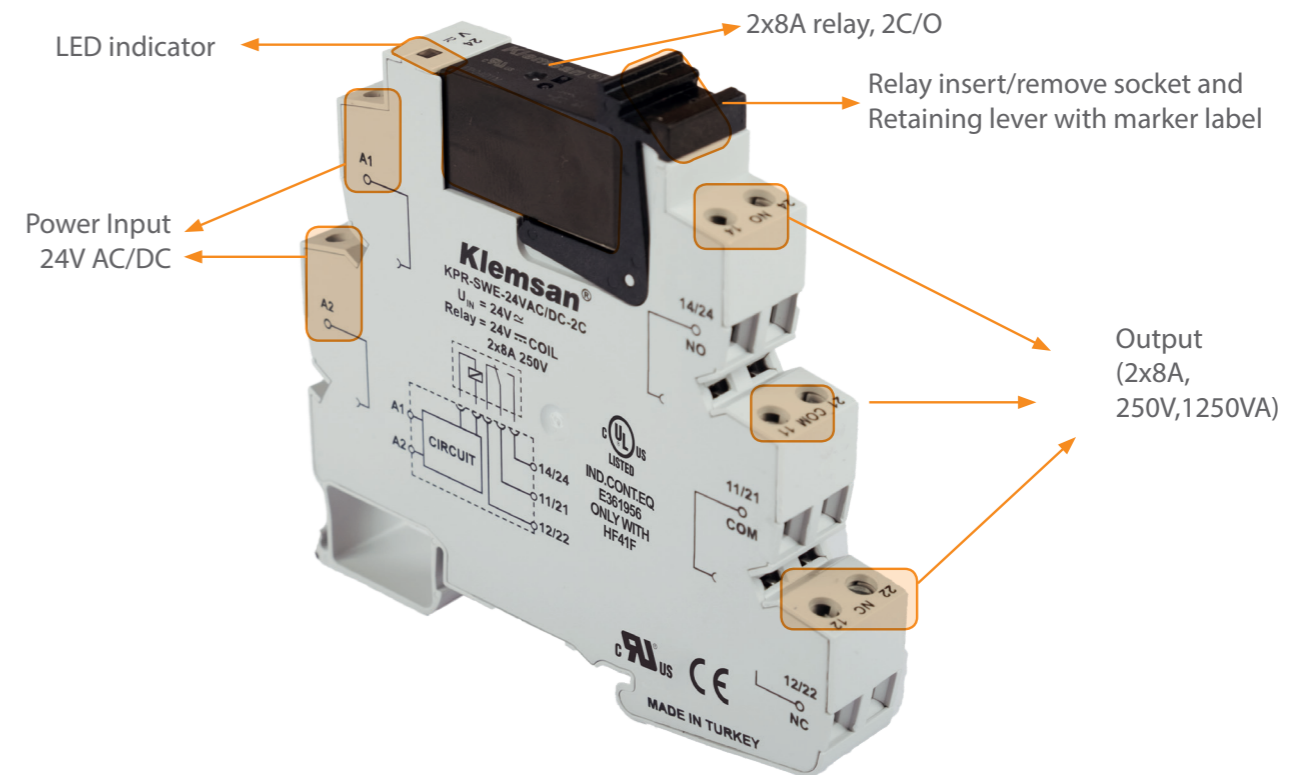
- PLC automation systems
- Electric power plants
- Energy management systems
- Medium Voltage Panels
- Industrial Machines

Benefits and Advantages

- A widely range of power input from 6V to 230V
- DC and AC supply voltage options
- Integrated RCZ filter option
- Saving wiring time with plug-in bridges
- High quality, long useful life
- Saving space with 14mm design
- LED status indicator in order to see actual movement of the contacts
- Labeling with terminal block marking materials
- Highly compact and light weight
- High level of Electromagnetic compatibility (EMC) i.e. maximum immunity to interferences.
- Self-Extinguishing plastic housing
- UL certificate

Layout & Mounting

Klemsan interface relays are suitable for snap mounting onto 35 mm standards DIN rails.





Automation System



Reduced PLC outputs to meet energy consumption goals

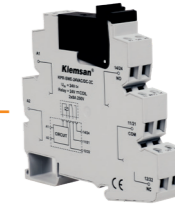


I/O CONTROL
All models

Chemical Industry



Safe isolation between inputs and outputs for pumps, compressors and air conditioning applications.



CONTROLLING
All models

Machine Control and Safety

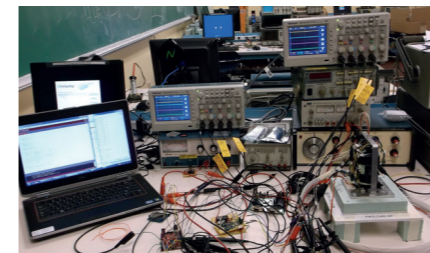


Provides isolation between control and controlled circuits.

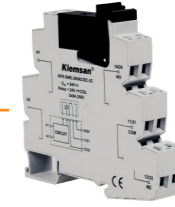


ISOLATION
All models

Electrical Test Systems



The interface between test equipment and system I/O devices with a high switching capacity.

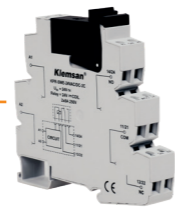


CONTROLLING
All models

Scada System



Lengthen PLC outputs lives by using interface relay to turn many devices on and off simultaneously.



I/O CONTROL
All models

Pneumatic Control

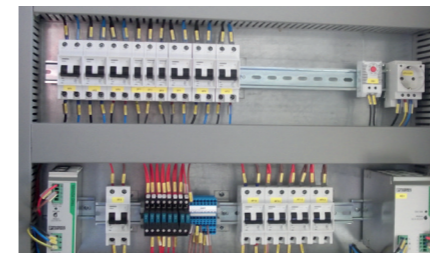


Switching currents or voltage too high for PLC outputs to handle.

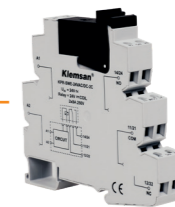


SWITCHING
All models

Tight Cabinets



Only 6.2 mm wide, thus saving considerable space in your enclosures.

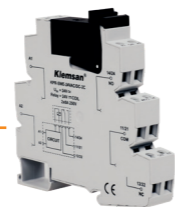


SPACE SAVING
All models

Control Panels

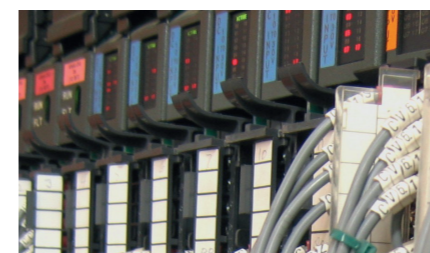


It provides to control more than one load with extrarnal pluggable bridges.

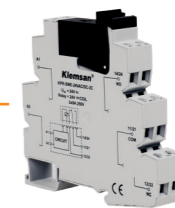


I/O CONTROL
All models

Leakage Current Applications



Preventing to stuck in "ON" state while the relay is switched as "OFF" which is caused by leakage current.



SWITCHING
KPR-SCF series



| Type | KPR-SWE-6VDC-2C | KPR-SWE-12VAC/DC-2C | KPR-SWE-12VDC-2C | KPR-SWE-24VAC/DC-2C | KPR-SWE-24VDC-2C | KPR-SWE-48VAC/DC-2C | KPR-SWE-48VDC-2C |
|----------------------|-----------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|
| Schematics | | | | | | | |
| Dimensional Drawings | | | | | | | |

| Type | KPR-SWE-60VAC/DC-2C | KPR-SWE-60VDC-2C | KPR-SWE-115VAC/DC-2C | KPR-SWE-115VDC-2C | KPR-SWF-115VAC/DC-2C | KPR-SWE-230VAC/DC-2C | KPR-SWE-230VAC-2C | KPR-SWF-230VAC/VDC-2C | KPR-SWF-230VAC-2C |
|----------------------|---------------------|------------------|----------------------|-------------------|----------------------|----------------------|-------------------|-----------------------|-------------------|
| Schematics | | | | | | | | | |
| Dimensional Drawings | | | | | | | | | |