



Urken IS-1

SMART RELAY WITH 3 POWER CHANNELS, 4 DIGITAL INPUTS, RTC AND 2 GSM/PC INTERFACES

Urken IS-1 is a universal programmable relay designed to manage up to 3 independent power supplies rated from 3V to 20V with 2A maximum allowed current for each of the channel.



The smart relay **Urken IS-1** is equipped with:

- RS232 interface to connect to a PC/single board computer/dedicated microcontroller based unit, etc.
- Another RS232 interface for GSM
- 4 digital inputs
- 1 digital output
- Integrated RTC

The primary purpose of **Urken IS-1** is to save energy by powering connected devices only when they should be in active mode. For example, the smart relay can be used in a system with surveillance cameras, IR illuminators, DVR, etc.

The relay can be programmed to switch on/off devices:

- on schedule (day, time, duration)
- triggered by digital sensors,
- via serial interface,
- by SMS or GPRS commands.

In addition **Urken IS-1** smart relay measures the voltage level of connected power supplies and can send alert messages in case of voltage drop via RS232 interfaces. The interfaces can also be used to transfer messages between 2 connected devices, e.g. a microcomputer and GSM terminal.

Thanks to all these features **Urken IS-1** provides tremendous opportunities for automation and control of various systems.