

SmartControl

The Synapses SmartControl is a GPRS Load Management device.

Features

- GSM GPRS two way communication.
- **Optional** : OTAP, over the air upgradable GPRS module.
- **Optional** : secondary two way RF communication 868 MHz for secondary SmartRelays or Meter interface.
- 20A relay.
- Can be managed and controlled from a remote location via GPRS or SMS connection.
- Remote APN setup and signal strength interrogation via SMS .
- Onboard PSU.
- Remote parameterisation.
- DIN & Mini rail mountable.
- Optional Shroud if installed outside the distribution board.
- Thermal protection on terminals.
- Relay position indicated with red/green led.
- IR programming interface (USB).
- Active led indication.
- Relay failure detection and indication.
- Settable shedding pattern for Weekdays & Weekends.
- On board Real time clock with battery backup.
- Input protection with self resettable fuse.
- Built in soft pickup after power failure.
- Settable Fail safe recovery after shedding.
- Auto database registration function.
- **Optional** : Energy consumption measurement with external CT.
- **Optional** : temperature control with external SABS approved thermostat.
- **Optional** : Secondary RS485 communication port.



Technical Specifications

| | | |
|--------------------|--------------------|-------------------------|
| Power requirements | Voltage | 230V |
| | Frequency | 50 Hz |
| | Power Consumption | < 2W |
| Communication | Local : | IR |
| | Remote access : | GPRS or SMS |
| | | Optional : Secondary RF |
| Relay | Polarized Latching | |
| | Maximum Voltage | 440VAC, 50Hz |
| | Maximum Current | 20A |
| Dimensions | Height | 92 mm |
| | Width | 82 mm |
| | Depth | 67 mm |