

Concentrator IK-30



General

Concentrator IK-30 has the following functionality:

- Communication
- Storing of data
- Collection of data
- Timing the system
- Configuration

The communication on the secondary side takes place on the power line network (PLC) with Echelon LonWorks. The communication takes place on three phases.

The communication on the primary side can be Ethernet (TCP/IP), GSM/GPRS, PSTN modem or by RS232 port. The communication between Concentrator IK-30 and the central system are with open and standardized protocols. The Concentrator is delivered as standard with Ethernet and RS232 port.

Concentrator IK-30 has support for Repeater IR-03.

Installation of meters

The installation of meters is executed by IK-30. There are different installation scenarios available, for example:

- Automatic installation
- Manual installation by pressing the service pin on the meter
- Installation command from collecting system.

Configuration of Concentrator

Concentrator IK-30 can be configured remote or locally. The configuration is either from superior collecting system or from the configuration tool IK-tool, depending on what is to be configured.

Concentrator IK-30 Technical Specification

Dimensions

- Width: 166 mm
- Height: 160 mm
- Depth: 87 mm

Security class

- IP23

Voltage

- 230 VAC, -20% ...+10%
- 50 Hz

Power

- Standby: 8 W
- Transmit: 15 W

Surrounding, in operation

- Moist: 10% ... 90% RH
Non condensing
- Temperature: -30 ... +60 °C
Other temperature areas possible by
cooling/heating

Memory

- Measuring data: 2 ... 6 MB
- Equivalent to 300 measuring points in
35 day hourly values

Communication Secondary

- LON , Power net, A- or C-band
- Communication on three phases
- Power line communications (EIA-709.2) fulfils Cenelec, EN50065-1

Communication Primary

- GSM/GPRS, external or built-in
modem
- PSTN modem, external
- LAN (Ethernet, TCP/IP)

Function interface

- Connection to superior collecting
system via communications tool

Mounting

- Wall mounting or DIN-strip