



Smart Connections

ionSign NEUTRON15

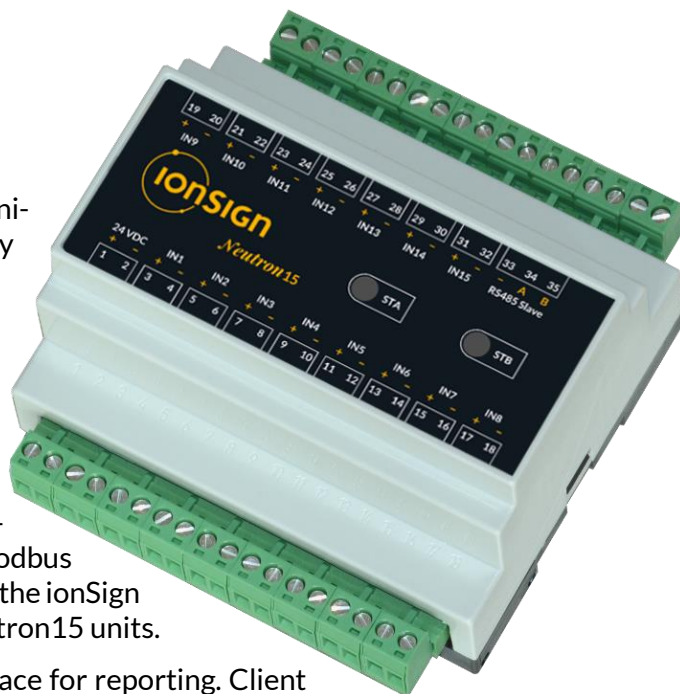
ionSign Neutron15 is a pulse counter for remote monitoring of energy and utility consumption. It is very easy to install, setup and use.

Neutron15 turns 15 simple energy and utility meters into smart meters. It collects any kind of utility consumption data from e.g. electricity, water, heat and gas meters, conforming to the S0 pulse interface. The meter supporting, data is accurate for invoicing.

The collected data is transferred via an RS485 connection using the Modbus protocol. While any Modbus query is possible, the suggested architecture is to use the ionSign Neutron Smart Gateway, able to house up to 32 Neutron15 units.

ionSign provides a server application and web interface for reporting. Client specific server integrations are also easy to design.

By default, data is logged every hour and reported on a daily basis. Optionally readings may be sent periodically, starting from a one minute interval.



Technical specifications

- 15 standard S0 pulse inputs for open collector relay outputs of measuring devices
- RS485 interface (Modbus slave)
- 30 days data buffering
- 6 module wide DIN rail enclosure
- (WxHxD 105x90x52mm)
- IP20
- Operating voltage 12...24 VDC
- Current consumption 100mA
- Operating temperature -25°C ... +50°C
- Storage temperature -30°C ... +85°C
- Operating humidity 5%...95%, non-condensing

Typical applications

- Submetering of large premises like office blocks, shopping malls, schools, hospitals, industrial manufacturing sites, residential buildings and more, for energy efficiency improvements

User interface

- Standard HTTP reporting allows easy server application development and integration

Extra features

- Available with installation enclosure for higher IP class
- Standalone with fieldbus data query or as a collector unit for ionSign Neutron Smart Gateway