



Smart Connections

ionSign NEUTRON15

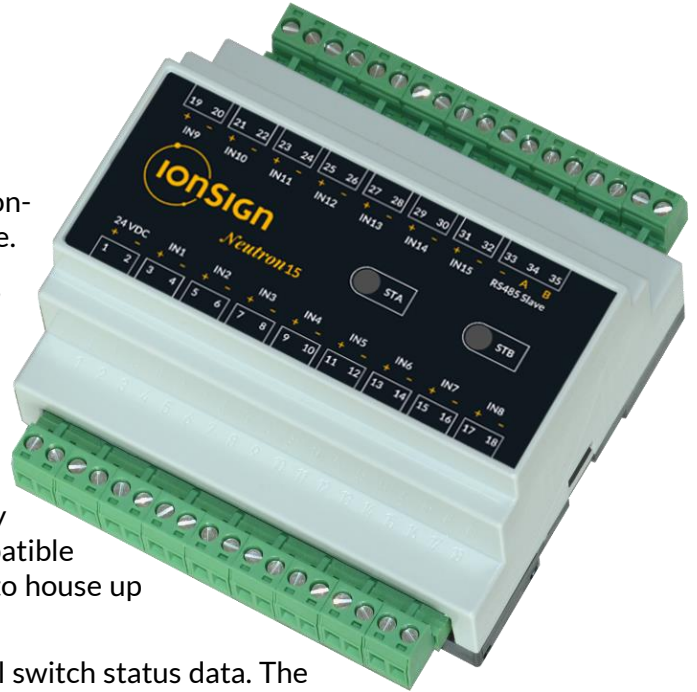
Neutron15 is an independent AMR unit for pulsed consumption meters. It's amazingly easy to install and use.

Neutron15 turns 15 conventional, pulsed 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 fetched via an RS485 serial connection using the Modbus protocol. While any Modbus query is possible, we suggest to use a compatible ionSign unit, e.g. the Neutron Smart Gateway, able to house up to 32 Neutron15 units.

In addition to pulse data, Neutron15 can read digital switch status data. The unit recovers from power and transfer network outages without any user intervention and loss of data.

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



Technical specifications

- 15 standard S0 pulse inputs for open collector relay outputs of measuring devices
- RS485 interface (Modbus slave)
- 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

Extra features

- Available with installation enclosure for higher IP class
- Standalone with fieldbus data query or as a collector unit for compatible ionSign master devices