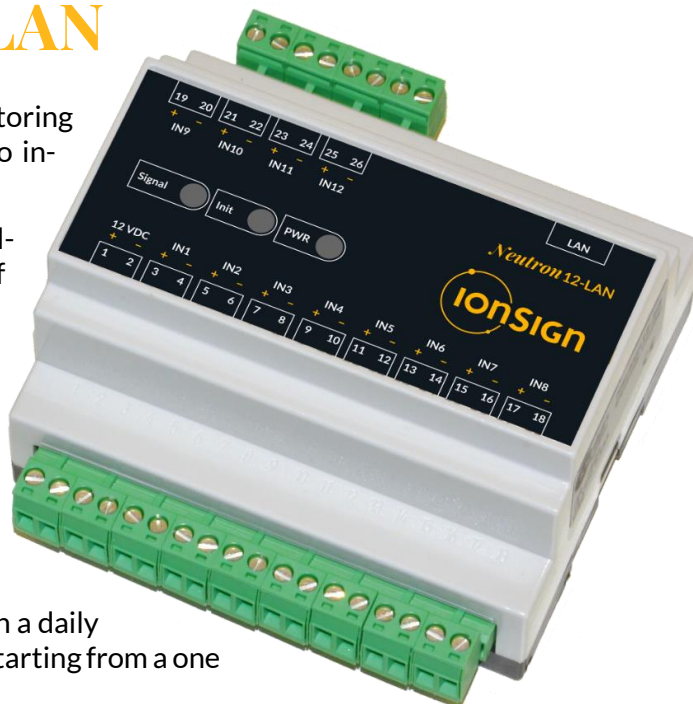# ionSign NEUTRON12-LAN

Neutron12-LAN is a pulse counter for remote monitoring of energy and utility consumption. It is very easy to install, setup and use.

Neutron12-LAN converts 12 simple energy and utility meters into smart meters. It collects any kind of utility consumption data from pulse generating consumption meters – electricity, water, gas, heat etc. – and delivers it to a remote server over standard LAN/TCP-IP. The meter supporting, data is accurate for invoicing.

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

- 12 pulse inputs for open collector and relay outputs of measuring devices
- S0 pulse interface
- 30 days data buffering capacity
- LAN connection
- IP20

- Operating voltage 11…13 VDC
- Current consumption 100mA (peak 200 mA)
- Operating temperature -25°C … +55°C
- Operating humidity 5%...95%, non-condensing
- 6 module wide DIN rail enclosure
- (WxHxD 105x90x52mm)

Typical applications

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

User interface

- Standard HTTP protocol in reporting allows an easy server application development
- Easy to setup and control through integrated web server

Extra features

- Optional server application
- Easy integration to current reporting systems
- Available with enclosure for higher IP class
- Available also with GSM mobile connection