NPS914

Alarming and indication IED

The optimal management of electrical power systems is based in particular on the reliability, availability and communication skills of protection, measurement and automation devices.

NPS914 alarm and indication IED can be applied for substation general I/O extension, control and alarm annunciation. Optional cards (I/O, communication...) can be inserted depending on application requirements. Easy to use and powerful logic programming expands further the application range to more demanding control, alarm and indication needs. Large freely programmable HMI display provides quick visualisation of the object, alarm and event status.

The NPS914 communicates using various protocols including IEC 61850 substation communication standard.

ANSI CODES

86

CHARACTERISTICS

Alarm, control and indications
- Controllable objects: 10
- Lock out relay [86]
- 48 programmable alarm LEDs (3x16)

Hardware
- Digital inputs: 3 (standard)
- Output relays: 5+1 (standard)

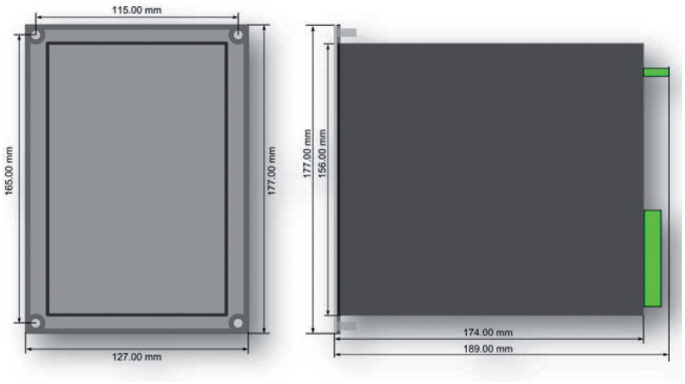
Options (6 slots)
- Digital inputs optional: +8 per card
- Digital outputs optional: +5 per card (2 cards max.)
- RTD inputs: +8 per card
- mA analog measures (1 input + 4 outputs)
- Communication medias (specified below)

Event recording
- Non-volatile disturbance records: 100
- Non-volatile event records: 10,000

Communication medias
- RJ45 Ethernet 100Mb (rear port) + RS485
- Double LC fibre Ethernet 100Mb HSR/PRP (rear port)
- Double Ethernet RJ45 – 100Mb HSR/PRP (rear port)
- RS232 + serial fibre PP/PG/GP/GG (option)
- Double RJ45 Ethernet 100Mb (rear port)
- Double ST fibre Ethernet 100Mb (rear port)

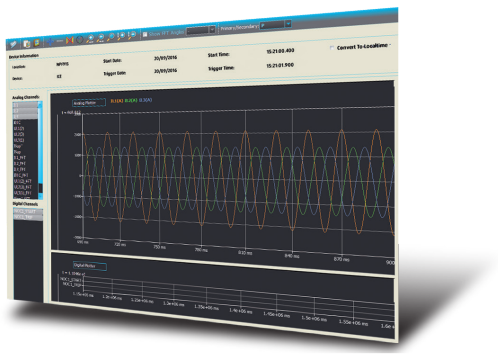
Communication protocols standard
- IEC 61850 (including HSR & PRP)
- IEC 60870-5-103/101/104
- Modbus RTU, Modbus TCP/IP
- DNP 3.0, DNP 3.0 over TCP/IP
- SPA

Case (dimensions without protection gasket)
- H, W, D without terminal 177x127x174 mm
- H, W, D with terminal 177x127x189 mm
  (casing height 4U, width ¼ rack, depth 210 mm)
- H, W of front plate 177x127 mm
- H, W of cut out 160x106 mm
- Removable protection gasket width 3 mm



SMART9 - integrated software

Our user friendly SMART9 (Setting, Measurement, Analysis, Recording, Time-saving) configuration software helps the user get the best from NP900 series relays (connection from RJ45 Ethernet 100Mb front and rear port).



The specifications and drawings given are subject to change and are not binding unless confirmed by our specialists.

Protection & Control ICE
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