
NETCON 1

Powerful and reliable motor actuator



Designed for the control of disconnectors
and load switches



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FEATURES

Complete unit with motor, mechanics and control

Powerful motor and rapid gear

Suitable for all weather conditions

Multiple communication protocols and media

Easy commissioning

Compatible with most disconnectors



Netcon 1 – powerful and reliable motor actuator

Featuring a powerful motor and a rapid gear, the Netcon 1 is an actuator for the control of disconnectors and of load switches with breaking chambers or breaking whips. It is easy to install and has built-in electronics and control panel.

VERSATILITY IN ADDITION TO POWER

The Netcon 1 terminal can be applied directly on most disconnectors in the medium voltage network. For installations where several units are located closely, the units can be connected via a bus slave, while the distance between disconnectors can be several kilometers.



The Netcon 1 can be equipped with the PDR 300 digital data radio modem, offering a remote-controlled, wide area network coverage system. For more information, see the PDR 300 brochures or contact the Netcontrol Group sales.

STANDARD EQUIPMENT

The basic setup includes complete equipment, with the exception of the optional communication unit:

- Netcon RTU8 controller
- Batteries and charger (24 V)
- Space reserved for communication equipment
- Terminal blocks and overvoltage protection for power supply (230 VAC)
- Crank (40 turns/stroke)
- Externally visible mechanical position indicator
- External locking device with position indicator, can be fitted with padlocks
- Encapsulated control mechanism to prevent accidents
- Metal brackets and attachment bolts for wooden-pole mounting
- Cabinet in stainless steel
- Controlled heating
- Ventilation fittings, condensate drain and insect filters.

All the equipment is readily accessible and easy to replace.

OPTIONAL EQUIPMENT

- Electrical outlets with ground fault protection
- Communication devices: modems, radio, radio modem (e.g. PDR 300), 2G/3G modem, net1 radio modem
- Mounting kit for communication equipment
- Surge protection for antenna cable
- Transformer: 11 or 22 kV / 230 V, 1 kVA



Technical specifications

- Dimensions (H x W x D): 800 x 275 x 420 mm
- Operating temperature: -50...+65°C
- Enclosure: IP44, stainless steel
- Weight: 60 kg (including batteries, 13 kg)
- Heating: 20 W
- Thermostat: PTC element
- Chargers: 60 W, temperature compensation
- Batteries: 2 x 12 V, 17 Ah, 10 years, lead
- Consumables: 1 Ah / 24 h (without communication equipment)
- Stroke: 160, 180, 200, 220 or 240 mm
- Engine: 24 VDC (operation time 2.1 s)
- Control power: 3700 N (160 mm stroke)

Certificates: IEC 62271-102

- Test 6.103, 10 mm ice layer
- Test 6.104, -50°C and +40°C

Operating time without power supply

- Slave: > 7 days
- net1 modem: > 3 days
(+1.5 Ah / 24 h)
- 2G/3G modem: > 3 days
(+1.5 Ah / 24 h)

