



ComTroll 220A1[®]

Motordrive Unit for Overhead Line Disconnectors.

COMTROLL 220A1 is a linear motordrive unit suitable for the operation of Medium Voltage Overhead Line Switches with a vertical manoeuvring rod.

Due to its adjustable stroke length and high linear force, COMTROLL 220A1 is suitable for most types of switches available on the market.

COMTROLL 220A1 has an integrated spring mechanism allowing for high speed closing. (Live line closing option)

COMTROLL 220A1 is equipped with motor protection fuses, and a local operation module with terminals for remote control options.

COMTROLL 220A1 can be operated by
Nortroll's VHF radio controlled RTU
Nortroll's GSM operated RTU
Other supplier's RTU systems

Solar Charged version of Mains Charged versions are available.



TECHNICAL DATA:

Cabinet:	IP54 White Coated (80mm) Stainless Steel (EN 14.301) Cabinet. (Thickness: 1.25mm) 9 mm Polyurethane Insulation on inside of door and top.
Bracket:	Bracket for wooden pole installation included.
Adapter:	Adaptor for disconnector's manoeuvring rod included (dmax: 25mm.)
Dimensions:	WxDxH: 330 x 260 x 750 mm
Weight:	27 kg.
Operating temperature:	-40°C < t _{amb} < +70 °C

Mechanics:	Linear actuator with selectable linear or spring charged torque action.
Stroke length:	Adjustable (by electromechanical end switches) up to max. 270mm
Speed:	20—30 mm/sec. With activated spring force (downward movement): Immediately.
Force:	1700N in both directions
Motor:	12 V DC 3200 rpm 5A motor. (24V DC optional)
Motor protection:	2x6A MCB w/indication contacts.
Manual operation	By emergency handle, 18mm/turn
Security blocking	Yes , by means of padlock.

Electronics:	Local Control Unit (Not supplied if equipped with RTU) Pushbuttons for manual open / close operation Function switch (REMOTE / LOCAL / OFF)
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Current consumption	Operation: Dependent on required force, maximum 10A.
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Exterior detail, showing the adaptor for maneuvering rod attachment and bracket for wooden pole.



Interior detail, showing part of the spring mechanism and the adjustable end switch for stroke length adjustment..



The ComTroll 220 A1 can be used together with a number of different RTU solutions. All NORTROLL RTU's can be offered with solar charged battery systems as well as mains charged solution, requiring a VT if mains not available.

The motor can be offered as 12V or 24V.

ComTroll®

About Nortroll AS

Since the foundation in 1977, Nortroll AS has devoted its activities to the development of equipment aiming to reduce electric utilities outage times. We offers a wide range of products for fault detection and remote operation in the MV Distribution Network.

Your Representative



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