



Find Faults Fast Reduced outage times

Programmable Fault current indicator



FIND FAULTS FAST

آشکار سازهای خطا مجهز به تجهیزات مخابراتی جهت اتوماسیون شبکه های زمینی و هوایی

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BBT Power Equipment Eng. Co.

تهران، میدان ونک، خیابان ملاصدرا، چهارراه شیراز، کوچه بهار، پلاک ۱۰، واحد ۳ تلفن: ۸۴-۸۱۴۹۸۸ فکس: ۲۱۰-۵۰۸۰

COMTROLL 220 A1

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 maneuvering 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, 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 SMS operated RTU
 Nortroll's GSM voice channel operated RTU
 Other supplier's RTU systems



Technical Specifications

Cabinet:	IP54 White Coated (80µm) 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 maneuvering rod included (dmax: 25mm.)
Dimensions: WxDxH:	330 x 260 x 750 mm
Weight:	27 kgs.
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 Pushbuttons for manual open / close operation Function switch (REMOTE / LOCAL / OFF)
Digital Inputs:	2 DI Normally Open (Command Close/Command Open)
Digital Outputs:	5 DO (Position Open/Position Closed/Function (Remote/Local) MCB trip
Current consumption	Idle: 5mA Operation: Dependent on required force, maximum 10A.

Nortroll AS reserves the right to alter specifications without prior notice.

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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

Ordering Information

Product:	prod no 7359 ComTroll 220 A1
Optional:	prod no 7356 ComTroll 220 A1 24 V DC
Versions:	prod no 7459 ComTroll 220 A1 R1 w/ Radio operated RTU
	prod no 7650 ComTroll 220 A1 R2 w/ GSM SMS operated RTU
	prod no 7651 ComTroll 220 A1 R3 w/ GSM voice channel operated RTU
Accessories:	Batteries, solar panels, radio antennas etc

About Nortroll AS

Since the foundation in 1976, Nortroll AS has devoted its activities to development of equipment aiming to reduce electric utilities outage times, and offers a wide range of products for fault detection and remote operation in the MV Distribution Network.

Your representative