

Find Faults Fast Reduced Outage Time

"To maximize the profitability and efficiency of electricity grid operators through cost reducing and timesaving solutions for fault finding, surveillance, remote control and automation of distribution grids"



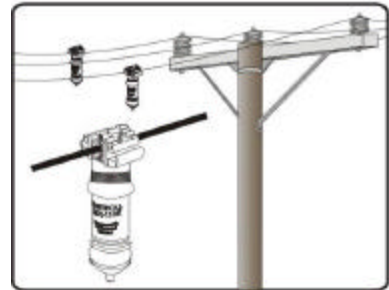
Made in Norway

LineTroll Line Fault Indicator



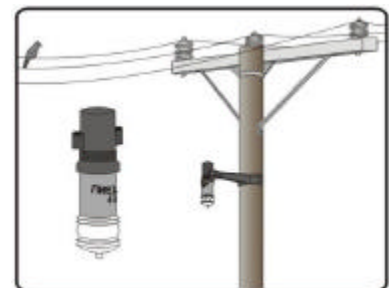
LineTroll 110E /110Epr

A conductor mounted indicator for detection of PTG* and PTP* faults in overhead line networks.
Programmable: Dipswitches
Threshold level: 250 and 500A
Trip level Di/Dt: 6-60A
Reset: Manual, timer & automatic
Indication: Xenon, common for permanent and transient indication
Communication: Built inn short range radio 110Epr)



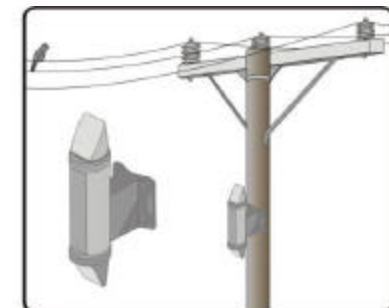
LineTroll 111K

A pole mounted indicator for detection of PTG and PTP faults in overhead line networks
Programmable: Dipswitches
Trip level Di/Dt: 4-50A
Reset: Manual, timer & automatic
Indication: Xenon & LED separate permanent & transient indication



LineTroll 3100/3100K /1300T

A pole mounted indicator for detection of PTG and PTP faults in 6-66kV overhead line networks.
Programmable: Dipswitches Trip level di/dt: 4-50A
Reset: Manual, timer & automatic
Indication: Xenon and/or LED, separate permanent & transient indication
Relay output. Common for permanent and transient fault
Com. Modules: Short range radio & GSM
Event Log (1300), Short range radio & GSM
Event Log (1300T)



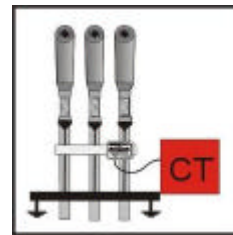
* : PTP = Phase to Phase, PTG = Phase to Ground

CableTroll Cable Fault Indicator



CableTroll 2310/2320/2330

An indicator for detection of PTG and PTP faults on multi-core cables on H poles.
 Sensor : NorTroll type current sensors
 Programmable: Dipswitches
 Trip level PTG fault: 5-210A
 Reset: Manual, timer, automatic & remote
 Indication: PTG, Relay output: PTP



CableTroll 2400

An indicator for detection of PTG and PTP faults on single and multi-core cables.
 Sensor : NorTroll type current sensors
 Programmable: Dipswitches
 Trip level PTP fault: 50A
 Trip level PTG fault: 250-1000A
 Reset: Manual, timer, automatic & remote
 Indication: Separate PTG & PTP
 Relay output: Separate PTP & PTG



CableTroll 2500

An indicator for detection of PTG on multi-core and single core cables.
 Sensor : NorTroll type current sensor
 Programmable: Dipswitches
 Trip level PTG fault: 4-240A
 Reset: Manual, timer, automatic & remote
 Indication: PTG
 Relay output: Separate transient and permanent



ComTroll Remote Control and Surveillance System (Mini Scada)

