



Com Troll® 115C

2.4 GHz Short range radio-module for integrating LineTroll 110Eur/Tur Dragon to a RTU/SCADA system

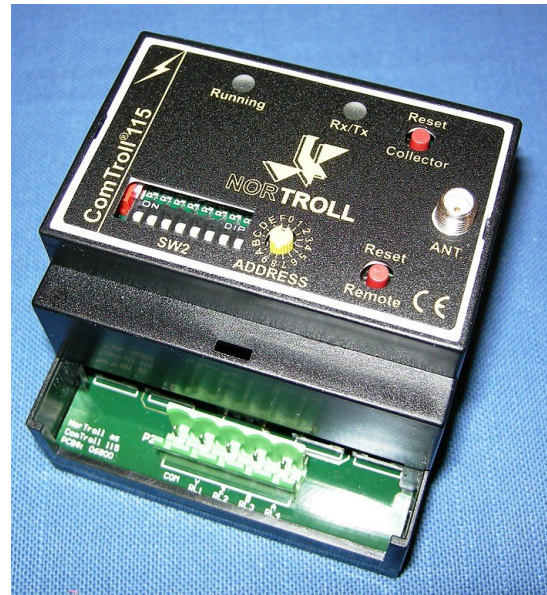
ComTroll®115C Quick Link Collector is a short range radio module for integrating the LineTroll110E/Tur Dragon overhead line fault indicators to remote control/SCADA systems..

Through digital inputs/outputs the CmT115C are connected to Nortroll or (third party) RTU's/ communication modules for remote system integration.

In addition to the indicators alarm status, a common heartbeat failure/low indicator battery is available, as well as test & reset features.

Features ComTroll®115C

- Remote programming of the Indicator from the ground
- Inputs for Test/Reset operation of FI's From SCADA-RTU's
- Communicates with 2,4GHz short range radio.
- Integrates in to SCADA systems through digital inputs/outputs (optional: serial-port)
- Monitor up to 9 LT110E/Tur Dragon installed on 2 or 3 different feeders
- Push-buttons for remote reset of indicators as well as collector



Functional Description

The CmT 115C Quick Link Collector is designed to handle information from

- a) Up to 3 individual LineTroll110Eur/LineTroll110Tur (w. Integrated Short range radio) or
- b) Up to 3 "groups", each consisting of 3 x LT110Eur/LT110Tur Dragon, for instance in a branching point.

The CmT 115C Quick Link Collector communicates with the indicators through the 2,4GHz short range radio channel, and indicates the indicators' alarm status on digital outputs meant for RTU interconnection.

In addition to alarm status, there is one common output for missing heartbeat / low indicator battery. If this alarm occurs, the operator will know that one of the interconnected indicators could have a communication problem, or in need for battery replacement.

Digital inputs for remote test & reset of indicators on the line

CmT 115C Quick Link Collector allows for remote programming of the LineTroll 110E/Tur/μr from the ground.



Technical Specifications

Short Range Radio Device	ISM-band. 2,46 GHz, 1 mW License Free.
Communication range	Up to 30m, Direct line of sight only, (increased range possible by use of directional antenna)
Data rate	250kbps
Relay Outputs	3 relays; one relay each for: up to 3 x LT110Eµr/LT 110Tµr or up to 3 groups of 3 x LT 110Eµr/LT110Tµr (max 9) 1 Relay output for Communication Error due to: Missing HB from one or more of the indicators the last 24h. Low Battery indication from the indicators - remains closed until HB received
Contact data	Potential free NO, Max 30W (non-inductive load) Field upgradeable microcontroller
External source Low power consumption:	Supply Voltage 12 VDC +/- 10% or optional 24 V DC +/- 10% 5 mA average, (max 20mA peak for RX/TX) @+12V
Housing Material	Bracket: Aluminium Antenna: Moulded rubber QL Collector: Nylon with DIN-rail clips Installation in outside environment, require a water resistant enclosure,
Operational Temp Range	-40°C to +70°C (-40°F to 158°F) 90% humidity, non-condensing.
Type tests:	EN 61000-6-3 EMC Emission EN 61000-6-2 EMC Immunity industrial EN 60255-21-1 Electrical relays - Vibration EN 60255-21-2 Electrical relays - Shock & bumb tests:

Ordering Information

Product nr: 03-0115-01 ComTroll 115C Quick Link Collector—kit includes antenna & bracket

Related products:

Product nr: 04-1200-06 LineTroll 110Eµr Dragon MV overhead line indicator.

Product nr: 04-1300-13 LineTroll 110Tµr Dragon HV overhead line indicator

About Nortroll AS

Since the foundation in 1976, 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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LineTroll®

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