



# ComTroll<sup>®</sup> 333 ICU

## Indicator Communication Unit

**ComTroll<sup>®</sup> 333 ICU** is specially designed for monitoring overhead line- and cable switchgear in the MV distribution network.

It is also suitable as a general communication interface to other applications for fault detection and management such as earth-fault and short-circuit indicators and line protection equipment through its analog, digital and serial interfaces.

**ComTroll<sup>®</sup> 333 ICU** communicates with the SCADA system using GSM Standard SMS. NorTroll offers a complete SCADA solution with a NetTroll MicroScada Plug-in module for configuration, control and monitoring of the ComTroll<sup>®</sup> 333 Terminals.

### Features

- Communicates using SMS messages
- Easy installation and configuration
- 8 opto isolated inputs
- EIA-485 serial communication port
- 8 NO relay outputs
- 4 analog inputs
- Low Battery Detection
- Suitable for solar panel charging



The ComTroll 333 ICU is commonly used together with ComTroll 110c/112c/115c (QuickLink System) where it can monitor up to 9 phase-mounted fault passage indicators (LT110Eur).

### Functional Description

**ComTroll<sup>®</sup> 333 ICU's** primary function is to monitor indicators for overhead line. It reports any alarm to a central control system by sending a SMS text message.

In addition the unit has digital as well as analogue inputs for reporting any type of alarms. Connection to the QuickLink System is provided through the digital Interface.

During the design of this product, NorTroll has put all efforts into making an RTU with lowest possible current consumption and the widest temperature range, allowing the unit to work for a long period during loss of charging. It is designed to facilitate solar panel charging and for operation in the most demanding climatic environment.



## Technical Specifications

Application:	GSM Indicator Communication Unit (ICU). General SMS sending alarm unit.
GSM Module:	Wavecom Q64 QuadBand
Control & Monitoring:	NetTroll MicroSCADA system with ComTroll 120 GSM-LON Router.  Specially designed to be used in remote fault indicator system based on the QuickLink short range radio system. (ComTroll 110c/112c/115c and LineTroll 110Eur / 110Tur
Inputs:	8 general opto isolated digital inputs. 4 analog inputs (0-10V or 4-20mA). Max input voltage: 50Vdc
Outputs	8 general NO relays. Nom Contact Ratings: 1A, 200Vdcmax
Power supply:	12Vdc (10V—15V)
Power Consumption:	8mA in idle. 80mA when active connection
Type test:	EN 1000-4-2, EN 1000-4-3 ROHS compliant
Mounting:	Snap-on DIN-rail
Temp:	-25 to + 70 deg Centigrades operational.

## Ordering Information

Product nr: 02-0330-02 ComTroll 333 ICU

### Related products:

Product nr:	1250	LineTroll 110Eur MV overhead line indicator.
Product nr:	04-1300-00	LineTroll 110Tur HV overhead line indicator.
Product nr:	7653	ComTroll 120 GLR Router for NetTroll and SCADA integration.
Product nr:	7660/61/62	ComTroll 120 GSMLINK Collector hardware relay interface
Product nr:	7514	NetTroll MicroSCADA Software
Product nr:	7731	SCADA Protocol IEC60870-5-101

## 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.



[www.rm-bh.com](http://www.rm-bh.com)

ComTroll®

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