



Earth fault and short circuit indicator EOR-1D

Version information firmware V 38



Contents

1. General.....	3
1.1 Content.....	3
2. Change information	4
2.1 Version 38 from 27.01.2021	4
2.2 Version 36 from 03.02.2020	5
2.3 Version 34 from 26.02.2019	6

1. General

1.1 Content

This document contains information and changes about the released firmware versions for the earth fault and short circuit indicator EOR-1D since firmware version V34.

2. Change information

2.1 Version 38 from 27.01.2021

General

- All relay functions can now be set freely to the relays, order of relay functions changed
- Renaming of write and read of parameters on/from SD-card:
→ NEW: "Conf. SD --> EOR" / "Conf. EOR --> SD"
- Improvements in English translations
- Parameters >Uearth trip value, >Uearth reset time moved from folder „transient det.“ to folder „General“
- Min/Max values of parameter >Uearth trip value changed to 1-90% (before 10-30%)
- Rearrangement of qu2-transient detection menu
- Current Reset moved from folder „Autom. Reset“ to folder „Short Circuit“ and folder „Autom. Reset“ deleted, because used only for short circuit detection
- Separate log book entry "SC resetted by current" (up to now the logbook entry was also "SC reset time passed")
- Folder "transient det." completely hidden in case the voltage measurement is disabled (up to now the folder was only renamed „deactivated“)
- Bugfix: Empty sub menu after self test without supply voltage
- Bugfix: "A.Eberle menu" for 0.5s at display start in case of a fault
- Bugfix: Arrows for fw/bw for phase L3 are not displayed on initial fault display
- Bugfix: Display does not start in case initially only with battery supply a test is triggered, i.e. after a cold start of the device no supply voltage has been applied yet
- Bugfix: With a cold start of the device in battery mode the device gets stuck in a undefined state (Display black, green LED is lit)
- Bugfix: A test in battery mode triggers a COM-trade log and sporadic fault indications

Location Methods

- qu2-transient detection is now evaluated and indicated also phase selective
- dl/dt function completely deactivated (Display, Com-Trade, log book, simulation/test)

SCADA

- „Standard“ Register 30: only value „0“ possible for di/dt
- „Standard“ Register 33: permissible value range 1-90%
- „Standard“ Register 203: qu2-transient indication (phase selective)
- „Standard“ Register 204+224..227+251: modifications for phase selective qu2 trans. det.
- „Standard“ Register 450+451: permissible value range changed from 255 to 4095
- „Standard“ Register 450+451: order of bits changed due to change of order of relay functions
- „SNH“ Register 11, 12, 13 extended by phase selective qu2-transient detection
- „SNH“ Register 8000 bugfix: Only SC is indicated in case of battery mode

2.2 Version 36 from 03.02.2020

General

- Display extended with qu2 transient algorithm
- Overview with the activated methods
- Self-test added
- Nominal voltage setable
- Cancellation in each menu possible
- Log entries extended by qu2 transient algorithm
- Revision of the Comtrade log
(I0, U0, language-dependent, trigger event is set, date is correct, BAFs added)
- Zero sequence values added to display overview

Location Methods

- qu2 transient algorithm implemented
- di/dt-method has been removed

SCADA

- Modbus register added for the qu2 transient algorithm

2.3 Version 34 from 26.02.2019

General

- Revision of the Comtrade log
- log-entry when battery is empty
- Message when the battery is empty at 9:00 a.m.
- Cancellation- screen during voltage calibration

Location Methods

SCADA

- SNH register available under register assignment
- Minimum baud rate changed to 9600