

30 Sep 2021

DeadEasy 32

Product Bulletin No.4

DeadEasy 30 vs 31 and 32 Instrument Cable, Terminal Arrangement Change

Symptom

DeadEasy 31 – Blinking indication most likely green blinking LED

DeadEasy 32 – Blinking indication most likely green blinking LED or DeadEasy Alarm (Amber LED 8, 9, 10 or 14)

Units affected

Existing DeadEasy 30 (DE30) customers who have, in the one circuit installation, a mix of DeadEasy 30 and DeadEasy 31 or 32 (DE31 or DE32) components. Specifically, where installations of:

- DE30 Instrument cables are connected to DE31 or DE32 DIN Rail Electronics, or
- DE31 or DE32 Instrument cables are connected to DE30 DIN Rail Electronics

Safety Exposure

Possible, but unlikely, incorrect indication of isolation but only if the red phase of the isolation switch was faulted. If either the white or blue phase of the isolation switch was faulty DeadEasy would function as normal.

Problem

Instrument Cable, Terminal Arrangement incompatibility between DeadEasy 30 vs 31 and 32. For details refer to installation drawings located towards the bottom of <https://www.redbusbar.com/DeadEasy.html>

Customer Action

If you know that you are a DeadEasy 30 customer, investigate all existing DeadEasy installations on your site to determine whether you have a DE30 vs DE31 and DE32 mixed installation arrangement.

If you don't know whether your site was a DeadEasy 30 customer contact Redbusbar as we may be able to help.

If you identify a DE30 vs DE31 and DE32 mixed installation arrangement, correct this wiring incompatibility as soon as possible by performing the following:

- “Unmix” the installation to ensure that all components are from the same version. However, DE31 and DE32 instrument cables are interchangeable

Note that:

- DeadEasy 30 was supplied from September 2008 to December 2010
- DeadEasy 31 was supplied from May 2010 to May 2017
- DeadEasy 32 was supplied from November 2015 and is the current model
- DE30 and DE31 and their spare parts are no longer available

Detail

In September 2021 we received information from a customer reporting an incident that had occurred on their site where:

- An opened circuit breaker in a motor control centre, where DeadEasy was installed, had failed to open correctly
- The site control system identified that the motor was available to start
- DeadEasy indication at the time of the fault is unknown, as it was not recorded

No injury or equipment damage resulted from the incident as the circuit breaker handle versus site control system discrepancy was identified at the time.

An investigation of the incident and the DeadEasy arrangement revealed the incorrect wiring of DeadEasy when compared to installation drawings. Specifically DE30 Instrument cables were connected to DE31 DIN Rail Electronics. Desktop analysis of the mixed version, installation arrangement, likely symptoms and risks formed the basis of this bulletin.