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Change of Temperature Range for new Generation Series RFC-4800 5V ratiometric

1 Introduction

With NT-News 20/2017 we introduced the new generation RFC-4800 for analog interfaces.
Numerous product improvements such as use in safety-relevant applications, E1 approval at the German Federal Motor Transport Authority (KBA) and additional partly and fully redundant current and voltage outputs are associated with this new generation.

Through extensive testing we have found that caused by a modified packaging and connecting technology, the maximum operating temperature must be limited to 105°C in the data sheet.

This was already published in the data sheet for the voltage and current interface when the new product generation was launched.

Now, for the ratiometric interface with 5V supply (order code RFC-**485** _-_ _ _-**2**_ _-_ _ _) we must adjust the temperature to max. 105°C in the data sheet, too.

Thus, the operating temperature for any interface of the new generation is a maximum of 105°C.

2 Availability previous Generation

For customers who require an operating temperature up to 125°C, we still offer to supply the previous generation RFC-**480**_-_ _ _-**2**_ _-_ _ _ ratiometric interface with 5V supply.
This applies to both standard and custom models.
Before change-over, please check the temperature requirement of your customers and inform your contact person at Novotechnik.
The datasheet with the discontinued generation RFC-48**0**1/48**0**2 will therefore remain available on the homepage until further notice.

3 Outlook

We continue working to extend the operating temperature range again to 125°C.

4 Prices

The planned price increase of the basic price IL1 + for the previous models RFC-48**0**1/48**0**2 on 1st June 2018 by € 1.90 will be suspended until further notice.

5 Attachments

Data sheet RFC-4800 version 04/2018 (new generation)