

TOGGLE SWITCH – Repeaters in Toggle Switch Applications

If one or several repeaters will be used in a toggle switch application the interpretation of the repeater counter is necessary:

Within toggle switch applications using the RCM or TCM in the operation mode 'serial receiver' in combination with TCM repeaters, please ensure that no serial command interpretation error occurs at the connected control unit.

A toggle signal means that the same telegram (e.g. from PTM or STM) is used for switching something on and off. I.e. if the light is switched on by receiving the I-button telegram from a PTM module, the repeated telegram (delay <100ms) may switch off the light again.

It is therefore mandatory to interpret the RP_COUNTER field as described in the RCM and TCM User Manuals. If a repeated telegram (RP_COUNTER=1) is received it has to be verified in case the original message (RP_COUNTER=0) has already been received during the previous 100 ms. If the original message has been detected, the repeated message has to be discarded.

Disclaimer

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