Binary signal transfer to remote end

RTC

Features

- Up to 32 freely selectable binary signals can be sent to and received from the remote end
- The transmitted binary signals can originate from signals within the terminal, or can enter the terminal via the binary inputs
- The function is compatible with various 56/64 kbit/s communication equipment and media (fibre optic or galvanic connections)

Application

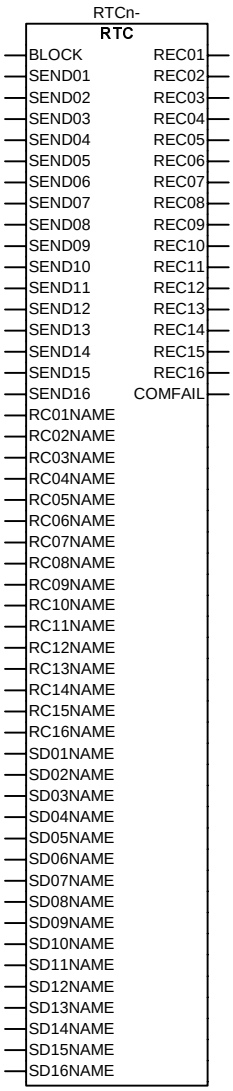
The main purpose of the RTC binary signal transfer to remote end function is the exchange of communication scheme related signals, trip signals and/or other binary signals between opposite ends of the line.

Functionality

The RTC function comprises two identical function blocks, each able to handle up to 16 inputs and 16 outputs, giving a total of 32 signals that can be transmitted in each direction.

The updated status of the selected binary signals is packaged within a data message which is sent once every computation loop.

Function block



Input and output signals

Table 1: Input signals for the binary signal transfer to remote end function RTCn where n = 1,2

Signal	Description
BLOCK	Blocks sending signals to remote end, no effect on received signals from remote end
SEND01-SEND16	Binary signals to be sent to remote terminal, inputs 01-16
RCyy Name Where yy=01-16	Remote terminal communication n, Name for Input yy Set from CAP 540
SDyy Name Where yy=01-16	Remote terminal communication n, Name for Input yy Set from CAP 540

Path in local HMI: ServiceReport/I/O/RemTermComn/Funcoutputs

Table 2: Output signals for the binary signal transfer to remote end function RTCn where n = 1,2

Signal	Description
REC01-REC16	Binary signals received from remote terminal, outputs 01-16
COMFAIL	Communication failure

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