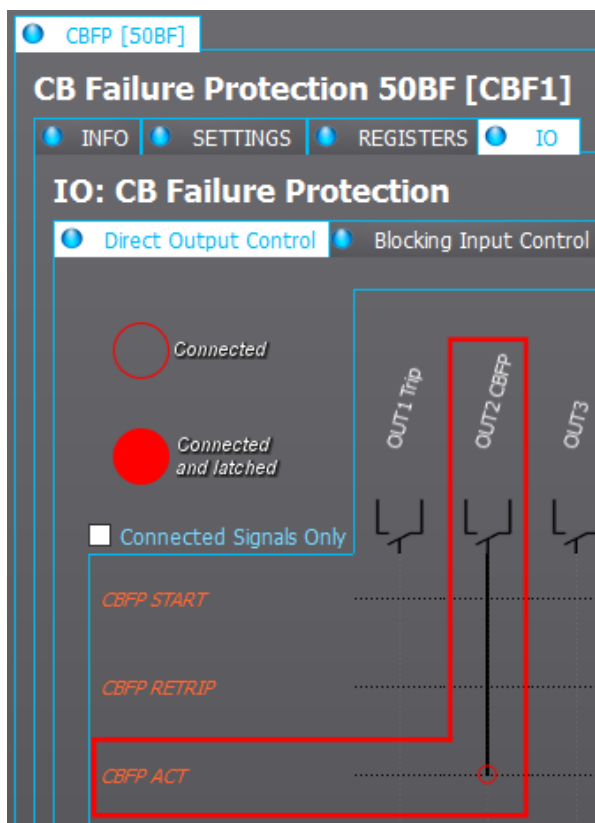


GUIDE

Basic circuit breaker failure setup

This guide will give you the basics of how to set up the CBFP function. For more technically detailed instructions please see the IED manuals from our website at Arcteq.fi.

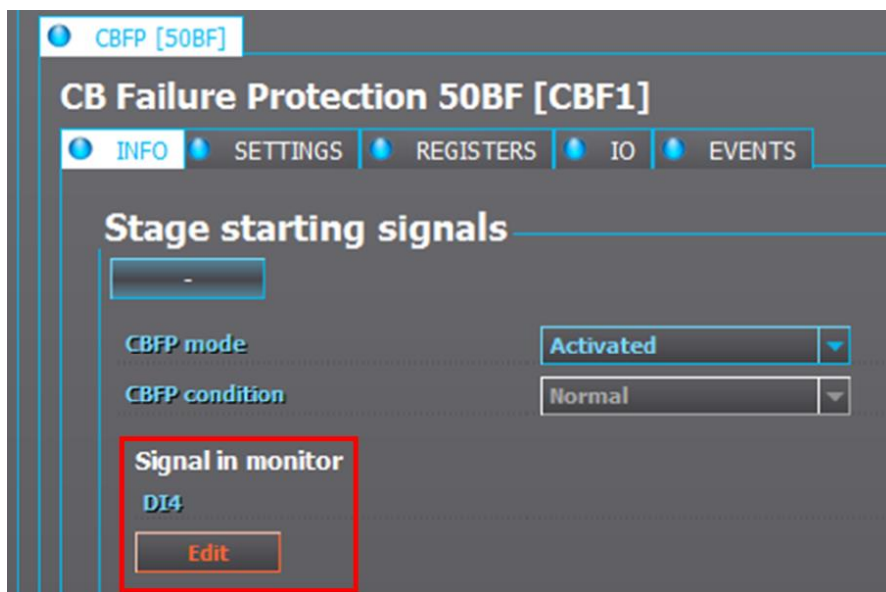
1.1 SET UP THE OUTPUTS OF CBFP



To set up the CBFP trip set *CBFP ACT* signal to desired output. If also retrip is used connect *CBFP RETRIP* as well.

1.2 USING DIGITAL INPUT TO TRIP

To trip CBFP function choose the signal(s) that will trip the CBFP.

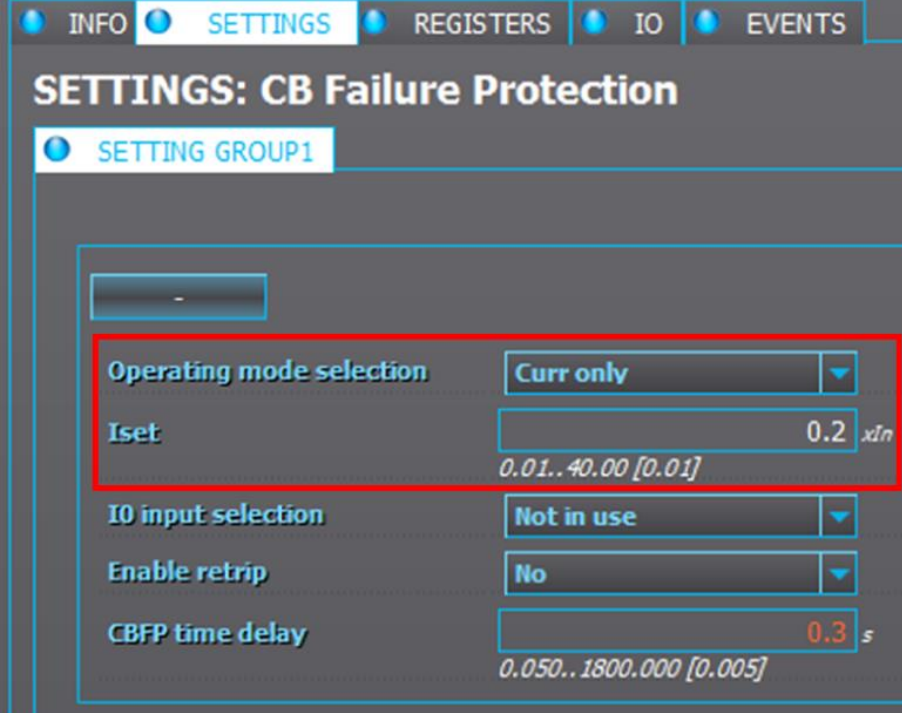


If *Operating mode selection* is *Signals only* the function will trip whenever at least one of the selected signals are activated longer than *CBFP time delay*.



1.3 USING OVER CURRENT MONITOR FOR CBFP

When *Operating mode selection* is *Curr only* you can use the measured current to trip CBFP. With *I0 input selection* it is possible to use residual currents to do the same.



The screenshot shows the 'SETTINGS: CB Failure Protection' interface. At the top, there are navigation tabs: INFO, SETTINGS (selected), REGISTERS, IO, and EVENTS. Below the title, there is a 'SETTING GROUP1' label. The main configuration area contains several settings:

Setting Name	Value	Unit/Range
Operating mode selection	Curr only	
Iset	0.2	xIn (Range: 0.01..40.00 [0.01])
I0 input selection	Not in use	
Enable retrip	No	
CBFP time delay	0.3	s (Range: 0.050..1800.000 [0.005])

1.4 USING DIGITAL OUTPUT MONITORING FOR CBFP

If *Operating mode selection* is set to *DO only* the CBFP function will monitor the selected DO activation and will activate *CBFP Trip* if the selected DO is controlled longer than the set *CBFP time delay*.

