

RECA-01 ETHERCAT DOES NOT FAULT ON COMM FAULT WHEN CABLE IS UNPLUGGED

Description:

The RECA-01 (EtherCAT adapter) does not fault the drive when the cable is unplugged from the RECA-01 adapter.

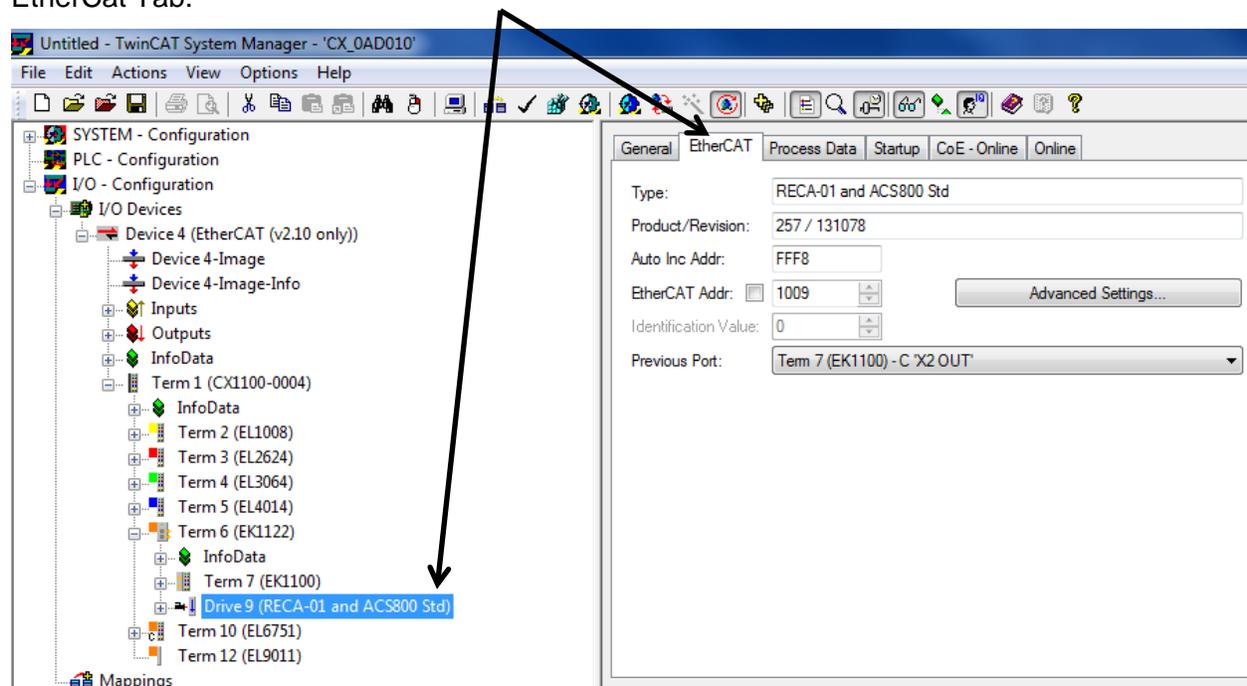
Answer:

The Process Data should be configured before enabling the Watchdog timer.

The following parameters need to be programmed in the drive for Comm Fault. The drive parameter 30.18 COMM FLT FUNC needs to be programmed to “FAULT” and parameter 30.19 MAIN REF DS T-OUT [s] needs to be programmed to the time the drive should wait before faulting on a communication loss.

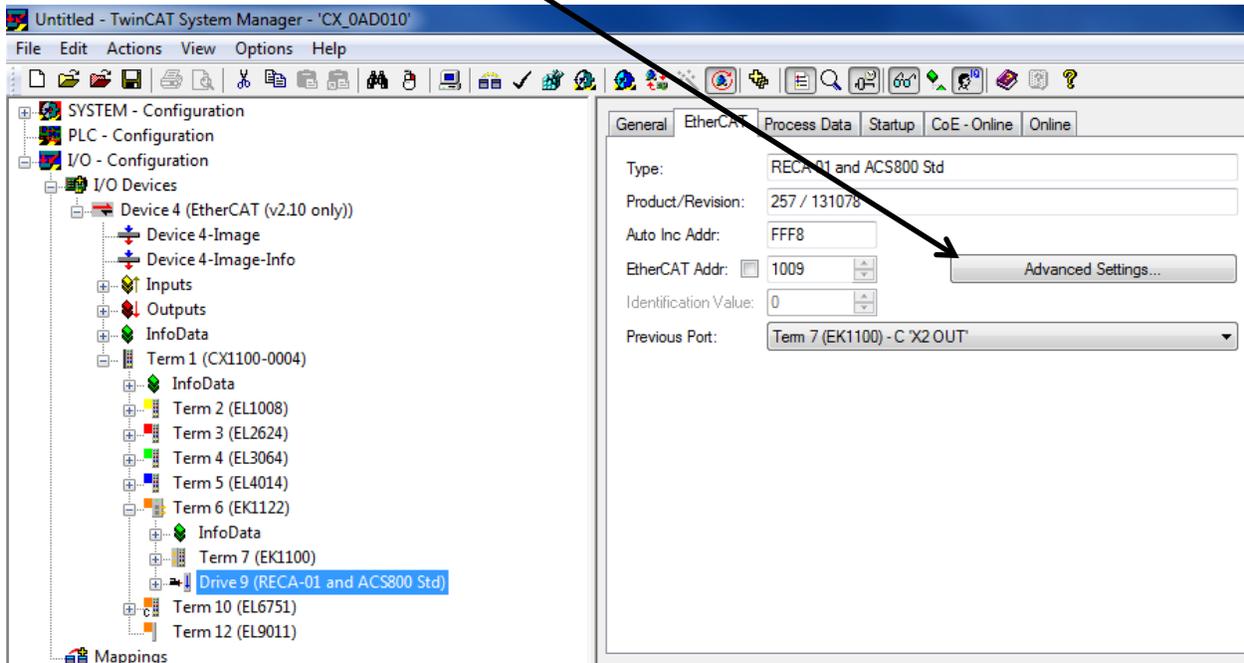
Enabling the Comm Fault watchdog within TwinCAT’s software.

Click on the RECA-01 node within the TwinCAT’s System Manager Software and click on the EtherCat Tab.

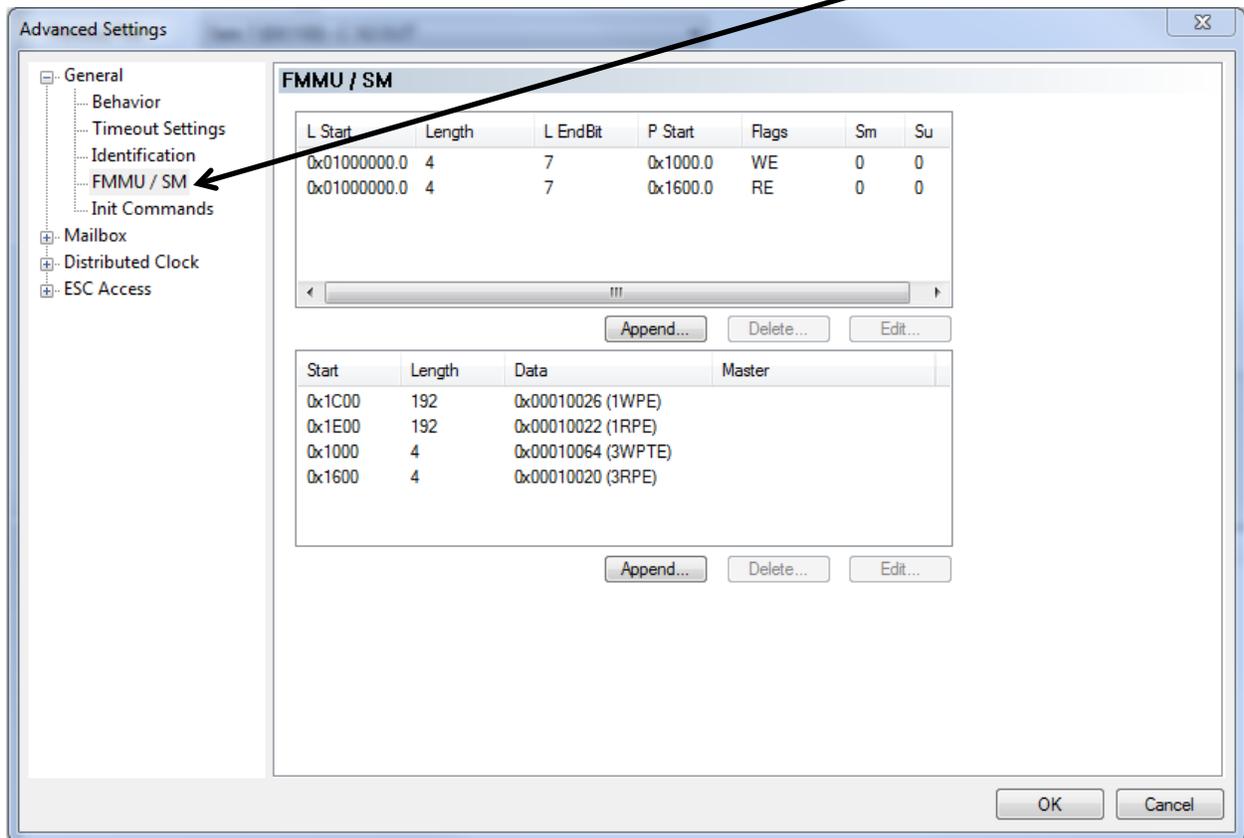


Author: Jeff Fell – Application Eng.		Date: 04, 2013
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Product Categories: ACS800, ACS550, ACH550, DCS800		Revision: A

Click the Advanced Settings... button.

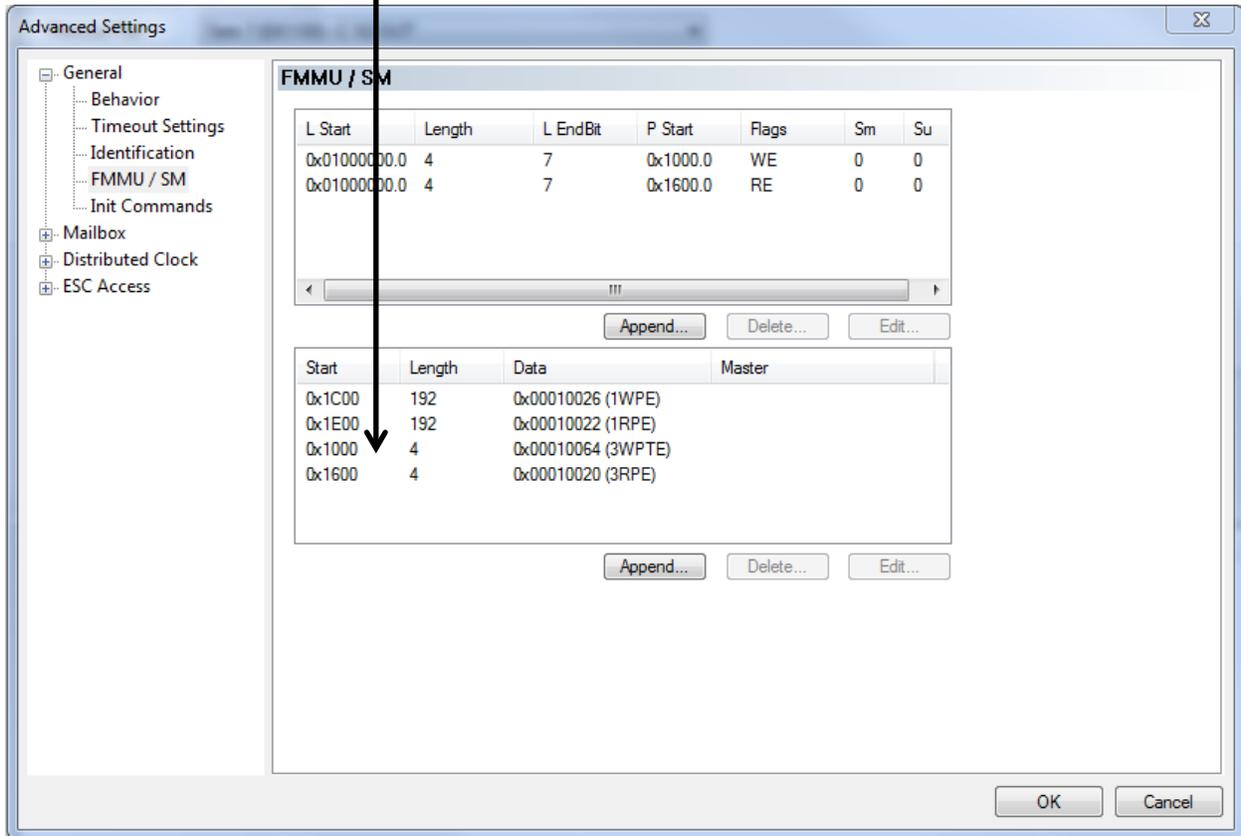


Click and expand the General tree and then click on the FMMU/SM.

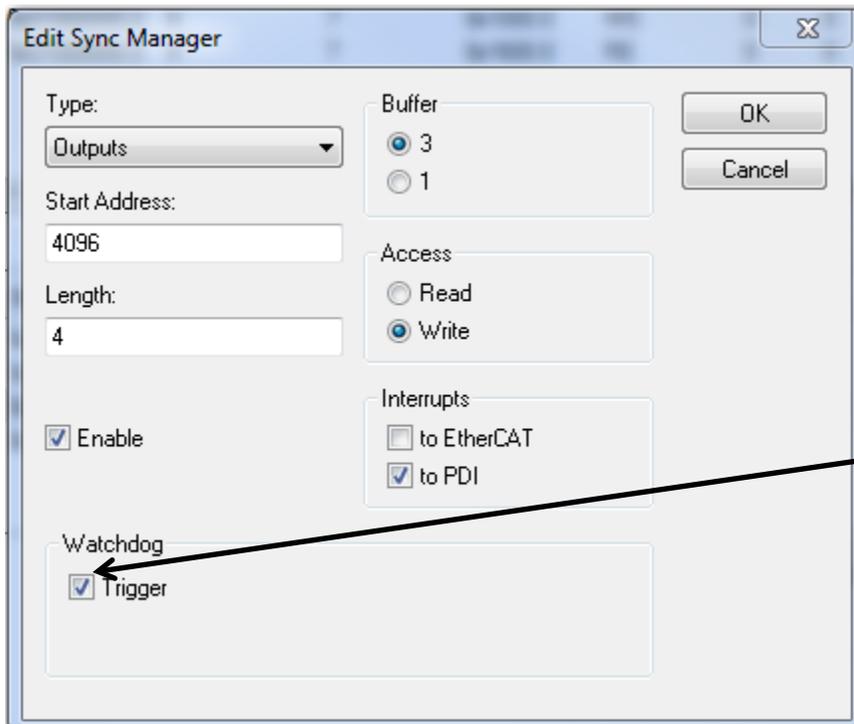


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Double click on the 0x1000.



Click to add a check to the box below the watchdog timer.



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Click ok and Reload I/O Devices within the TwinCAT's System Manager Software and test to make sure the Comm Fault is now working.

Documents or other reference material:

None

Corrective Actions:

None

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