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How can I deactivate easYgens generator voltage and frequency monitoring by a defined time?

Justin Schneider - 2026-07-27 - [application](#)

Discrete Input to deactivate Gen. Voltage and Frequency for certain time [in seconds]

Example solution as follows...

Prepare Volt-/Freq. Monitoring parameters

(instead of „Always“ or „LM:Rel.Eng.Monitoring“ enabled, here put Flags accordingly)

Generator

Voltage

1770 Generator voltage monitoring Phase - phase

Overvoltage level 1

2000 Monitoring On

2004 Limit 108.0 %

2005 Delay 5.00 s

2001 Alarm class Class B

2002 Self acknowledge No

2003 Enabled 96.01 LM:Flag 1

Overvoltage level 2

2006 Monitoring On

2010 Limit 115.0 %

2011 Delay 5.00 s

2007 Alarm class Class F

2008 Self acknowledge No

2009 Enabled 96.01 LM:Flag 1

Undervoltage level 1

2050 Monitoring On

2054 Limit 80.0 %

2055 Delay 5.00 s

2051 Alarm class Class A

2052 Self acknowledge No

2053 Enabled 96.02 LM:Flag 2

Undervoltage level 2

2056 Monitoring On

2060 Limit 50.0 %

2061 Delay 1.50 s

2057 Alarm class Class A

2058 Self acknowledge No

2059 Enabled 96.02 LM:Flag 2

Generator

Frequency

Overfrequency level 1

1900 Monitoring

1904 Limit %

1905 Delay s

1901 Alarm class

1902 Self acknowledge

1903 Enabled

Overfrequency level 2

1906 Monitoring

1910 Limit %

1911 Delay s

1907 Alarm class

1908 Self acknowledge

1909 Enabled

Underfrequency level 1

1950 Monitoring

1954 Limit %

1955 Delay s

1951 Alarm class

1952 Self acknowledge

1953 Enabled

Underfrequency level 2

1956 Monitoring

1960 Limit %

1961 Delay s

1957 Alarm class

1958 Self acknowledge

1959 Enabled

Prepare an internal AM to generate a ONE SHOT pulse

L1 = Discrete input that triggers the pulse

C1 = time in seconds, the pulse shall be ON

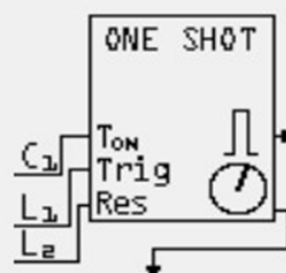
This pulse defines the time how long the V/f-monitoring shall deactivate in the end.

AM Internal value 3

9649 Description Input triggering Alarm OFF

9648 AM Internal value 3

A1	10.01 ZERO	
A2	10.01 ZERO	
C1	60	
L1	09.09 Discrete input 9	
L2	02.01 LM FALSE	
Type	One Shot	



Apply

Cancel

Output

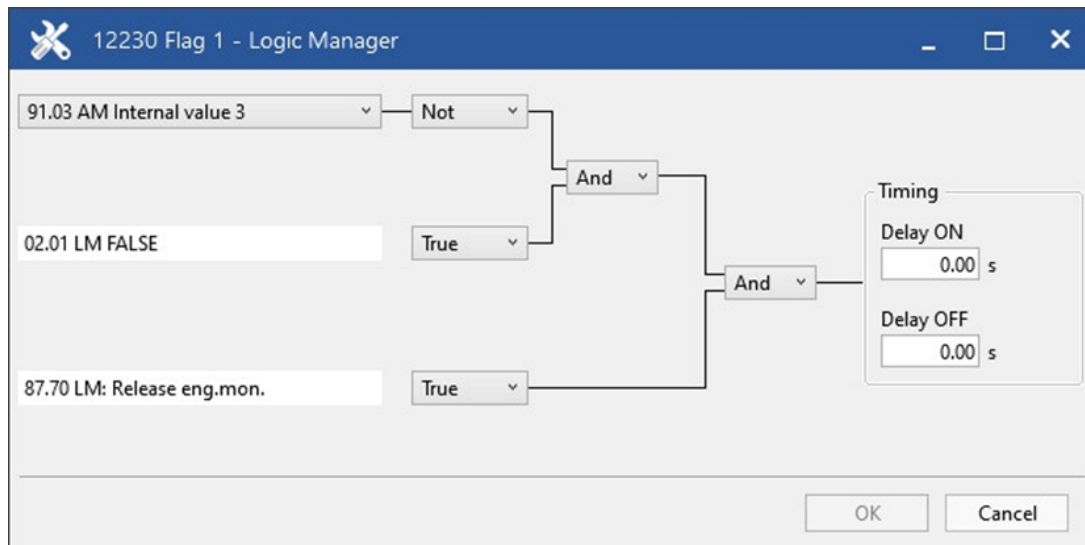
9651 91.03 AM Internal value 3

9650 91.03 AM Internal value 3 0.00

Prepare the Flags #1 and #2

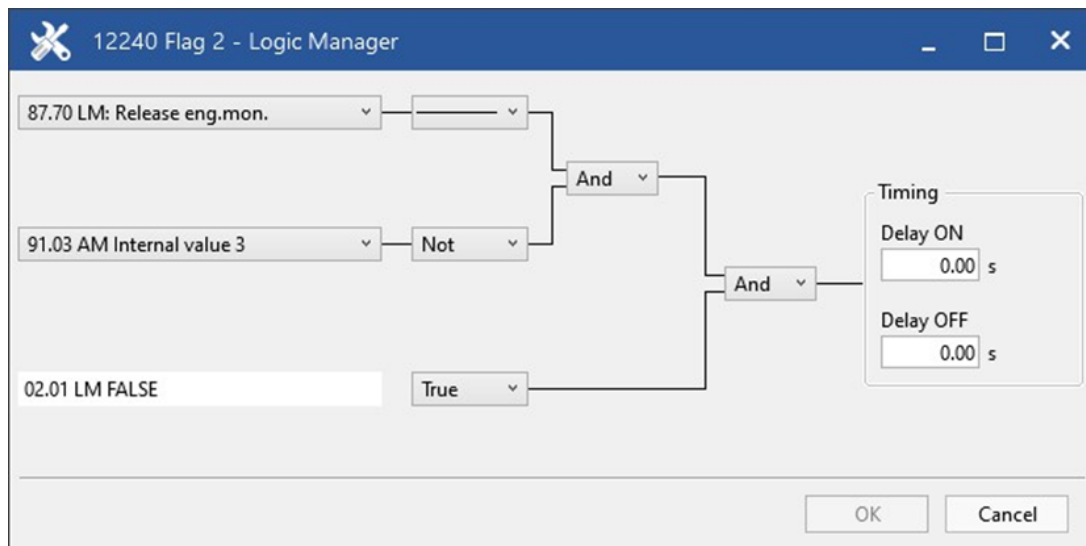
Flag 1

(TRUE as long as logical state of AM#3 is FALSE. i.e. the linked monitors stay normally always active)



Flag 2

(TRUE as long as LM:Rel.Engine monitor is released AND logical state of AM#3 is FALSE. i.e. to keep the default dependency of Engine Monitor release, plus the AM#3 state. So, the linked monitors stay normally always active after engine monitor delay time)



Now, if DI#9 latches the one shot pulse in AM#3, the Volt. / Freq. Monitoring gets inactive for the configured time in C1 in AM#3