

Totally Integrated Automation Portal		
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Main [OB1]

Main Properties

General

Name	Main	Number	1	Type	OB
Language	LAD	Numbering	Manual		

Information

Title	"Main Program Sweep (Cycle)"	Author		Comment	Example 12.1 Copyright (c) 2011, 2022 Dogwood Valley Press, LLC
Family		Version	0.1	User-defined ID	

Name	Data type	Default value
▼ Temp		
OB1_EV_CLASS	Byte	
OB1_SCAN_1	Byte	
OB1_PRIORITY	Byte	
OB1_OB_NUMBR	Byte	
OB1_RESERVED_1	Byte	
OB1_RESERVED_2	Byte	
OB1_PREV_CYCLE	Int	
OB1_MIN_CYCLE	Int	
OB1_MAX_CYCLE	Int	
OB1_DATE_TIME	Date_And_Time	
Constant		

Network 1:

%FC1

"TT573_CONV"

EN

ENO

TT573_CONV [FC1]

TT573_CONV Properties

General

Name	TT573_CONV	Number	1	Type	FC
Language	SCL	Numbering	Manual		

Information

Title		Author		Comment	
Family		Version	0.1	User-defined ID	

Name	Data type	Default value
Input		
Output		
InOut		
▼ Temp		
TmpInt	Int	
MinAI	Int	
MaxAI	Int	
Constant		
▼ Return		
TT573_CONV	Void	

```
0001 (* Example 12.1 Scaling of analog input value *)
0002
0003 (* Copyright, 2011 Dogwood Valley Press *)
0004
0005 #TmpInt := "TT573_MEAS";
0006 IF #TmpInt < 5530 THEN
0007     #TmpInt := 5530;
0008 END_IF;
0009 IF #TmpInt > 27648 THEN
0010     #TmpInt := 27648;
0011 END_IF;
0012 (* alternative use of LIMIT *)
0013 #MaxAI := 27648;
0014 #MinAI := 5530;
0015 #TmpInt := LIMIT( IN:="TT573_MEAS", MN:=#MinAI, MX:=#MaxAI);
0016 "TT573_DEGC" := ((#TmpInt - 5530) / 22118.0) * (700.0 - 90.0) + 90.0;
```