

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 12.3 Copyright (c) 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:

%FC2

"LT428\_Cti"

EN

ENO

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## LT428\_Ctl [FC2]

## LT428\_Ctl Properties

## General

Name	LT428_Ctl	Number	2	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		
Constant		
▼ Return		
LT428_Ctl	Void	

```
0001 (* Example 12.3 Simple tank level control *)
0002
0003 (* Copyright 2022 Dogwood Valley Press *)
0004
0005 // Convert analog input to level
0006 "LT428_Val" := (( "LT428_MEAS" - 5530 ) / ( 22118.0 )) * ( 15.0 - 1.0 ) + 1.0;
0007
0008 // Level control: turn on when low, turn off when high.
0009 // If not enabled, always turn off
0010 IF "T428_CNTRL" THEN
0011     IF ( "LT428_Val" < "T428_Min" ) THEN
0012         "XV427_OPEN" := TRUE;
0013     END_IF;
0014     IF ( "LT428_Val" > "T428_Max" ) THEN
0015         "XV427_OPEN" := FALSE;
0016     END_IF;
0017 ELSE
0018     "XV427_OPEN" := FALSE;
0019 END_IF;
```