

OB1 - <offline>

"Main_Program"

Name:
Author:

Time stamp Code:
Interface:
Lengths (block/logic/data):

Family:
Version: 0.1
Block version: 2
06/26/2011 07:41:17 PM
02/15/1996 04:51:12 PM
00498 00358 00030

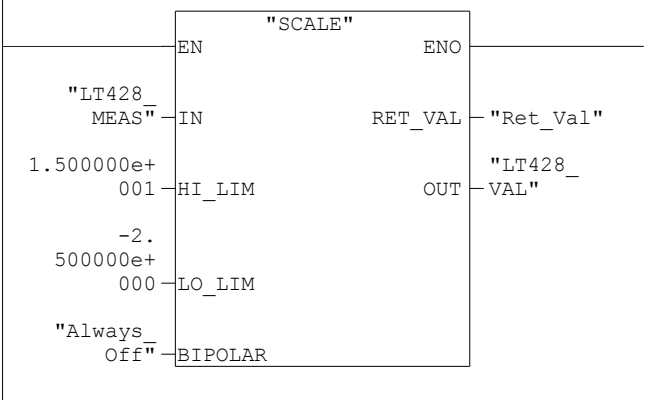
Name	Data Type	Address	Comment
TEMP		0.0	
OB1_EV_CLASS	Byte	0.0	Bits 0-3 = 1 (Coming event), Bits 4-7 = 1 (Event class 1)
OB1_SCAN_1	Byte	1.0	1 (Cold restart scan 1 of OB 1), 3 (Scan 2-n of OB 1)
OB1_PRIORITY	Byte	2.0	Priority of OB Execution
OB1_OB_NUMBR	Byte	3.0	1 (Organization block 1, OB1)
OB1_RESERVED_1	Byte	4.0	Reserved for system
OB1_RESERVED_2	Byte	5.0	Reserved for system
OB1_PREV_CYCLE	Int	6.0	Cycle time of previous OB1 scan (milliseconds)
OB1_MIN_CYCLE	Int	8.0	Minimum cycle time of OB1 (milliseconds)
OB1_MAX_CYCLE	Int	10.0	Maximum cycle time of OB1 (milliseconds)
OB1_DATE_TIME	Date_And_Time	12.0	Date and time OB1 started

Block: OB1 "Main Program Sweep (Cycle)"

Example 7.5 - Simple operator interface and alarm for tank level control

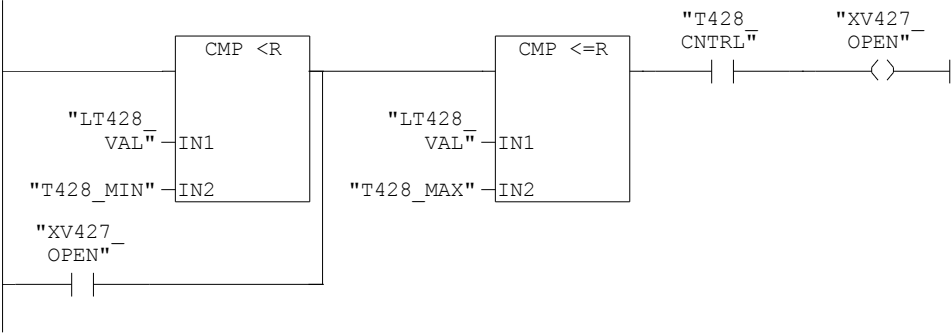
Copyright (c) 2011 Dogwood Valley Press, LLC

Network: 1



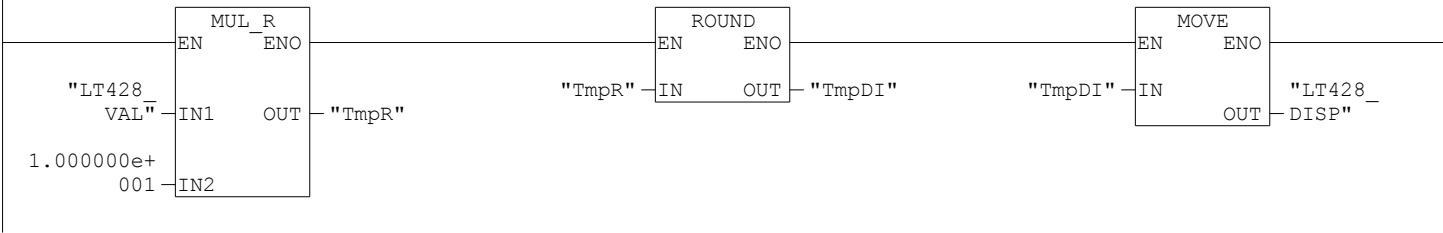
Network: 2

Inlet valve control



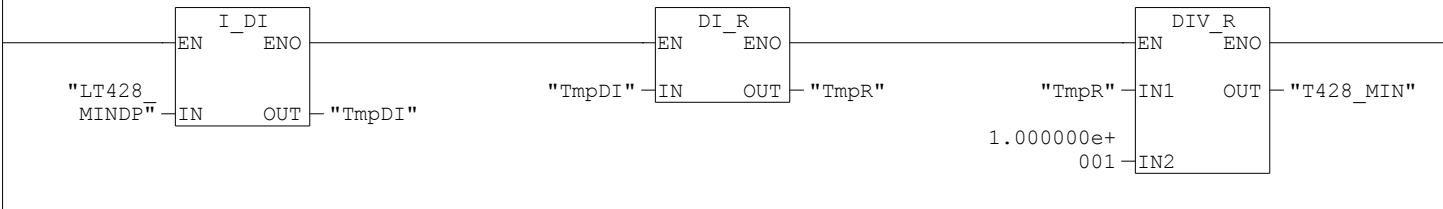
Network: 3

Calculate level for operator display



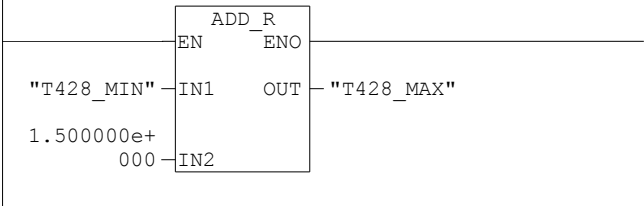
Network: 4

Get minimum level from operator display, convert to feet



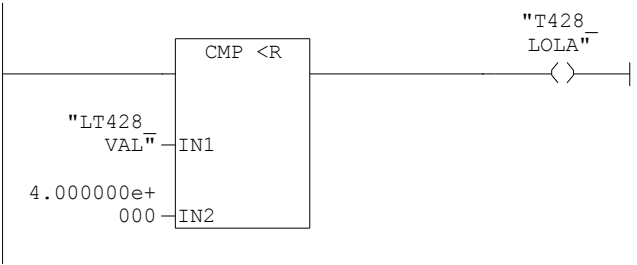
Network: 5

Mac level is min level + 1.5



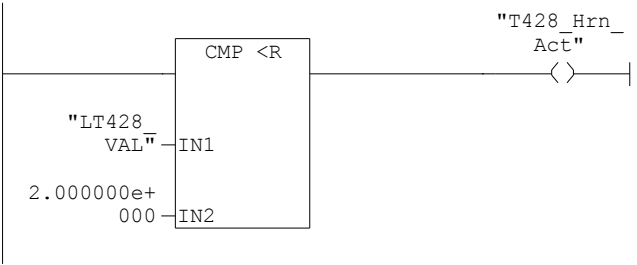
Network: 6Low level indication

Low alarm lamp when level < 4 feet



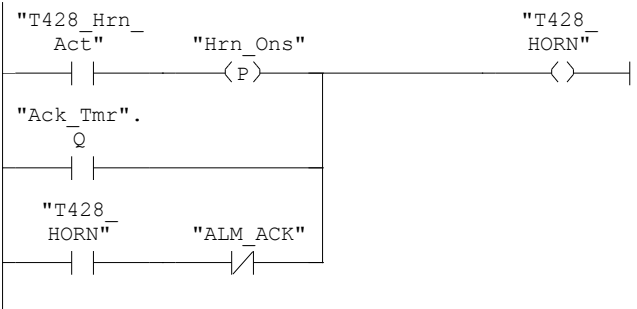
Network: 7Horn active

Level below 2.0 activates horn.

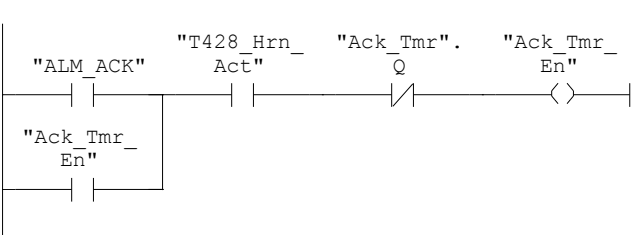


Network: 8Low level alarm horn

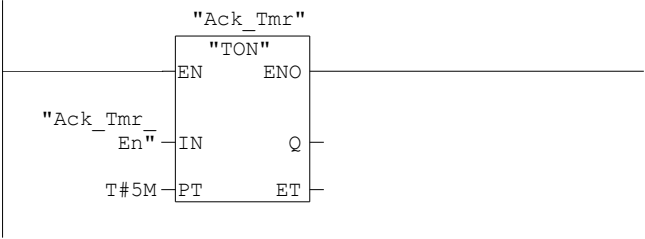
Horn activated when level drops below 2.0 or has remained below 2.0 for minutes.
Acknowledge button silences it.



Network: 9



Network: 10



Network: 11

