

OB1 - <offline>

"Main_Program"
Name:
Author:
Family:
Version: 0.1
Block version: 2
Time stamp Code: 06/26/2011 08:10:13 PM
Interface: 02/15/1996 04:51:12 PM
Lengths (block/logic/data): 00218 00078 00020

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 13.3 - Simple tank level control

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Network: 1

```
// Do conversion of transducer reading to level in feet.  
L    "LT428_MEAS"  
ITD          // Int to double  
DTR          // double to real  
L    5.530000e+003  
-R          // subtract 5530  
L    2.211800e+004  
/R          // divide by 22118  
T    "TmpR"  // Save for later multiply  
L    1.500000e+001  
L    1.000000e+000  
-R          // do 15 - 1  
L    "TmpR"  
*R          // mult by result of first divide  
L    1.000000e+000  
+R          // add 1  
T    "LT428_VAL"
```

Network: 2

```
// Control of tank level  
L    "LT428_VAL"  
L    "T428_MIN"  
<R          // On when drop below minimum  
O    "XV427_OPEN"  
A(
```

```
L      "LT428_VAL"  
L      "T428_MAX"  
<=R      // Keep on while <= maximum  
)  
A      "T428_CNTRL"  
=      "XV427_OPEN"
```