

## Example 7.4 - Simple tank level control

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Convert level measurement into units of feet using CPT block - for SLC-5/03 or higher

Level of tank in  
feet

LT428\_VAL

CPT

Compute  
Dest

F8:20

1.033086&lt;

Expression  $(( (I:3.0 - 3277.0) * (15.0 - 1.0) ) | 13107.0) + 1.0$ 

## Control of Physical Outputs

Level of tank in  
feet

LT428\_VAL

Level of tank in  
feet

LT428\_VAL

Enables level  
control

T428\_CNTRL

Inlet valve control

XV427\_OPEN

LES

Less Than (A&lt;B)

Source A F8:20  
1.033086<Source B F8:21  
0.0<

LEQ

Less Than or Eq (A&lt;=B)

Source A F8:20  
1.033086<Source B F8:22  
0.0<

B3/121

O:2/0

Inlet valve control

XV427\_OPEN

O:2/0

END

## RSLogix 500 Cross Reference Report - Sorted by Address

O:2/0	- {XV427_OPEN} Inlet valve control OTE - File #2 - 1 XIC - File #2 - 1
I:3.0	- {LT428_MEAS} Level measurement CPT - File #2 - 0
B3/121	- {T428_CNTRL} Enables level control XIC - File #2 - 1
F8:20	- {LT428_VAL} Level of tank in feet LES - File #2 - 1 LEQ - File #2 - 1 CPT - File #2 - 0
F8:21	- {T428_MIN} Minimum tank level for control LES - File #2 - 1
F8:22	- {T428_MAX} Maximum tank level for control LEQ - File #2 - 1