Copyright (c) 2011-2023 Dogwood Valley Press, LLC

***** Day Tank Level Control *****

Additional internal memory:
None needed

Equation to convert LT304_MEAS into the level in inches:
T304_INCH = (LT304_MEAS/100.0) * (45.0 - 0.0) + 0.0

Make sure minimum and maximum tank levels within bounds.

0

Minimum tank level in inches

LT
Less Than (A<B)
Source A T304_LO_LVL 20.0
Source B 10

Minimum tank level in inches

MOVE
Move
Source 10
Dest T304_LO_LVL 20.0

1

Maximum tank level in inches

GT
Greater Than (A>B)
Source A T304_HI_LVL 30.0
Source B 40

Maximum tank level in inches

MOVE
Move
Source 40
Dest T304_HI_LVL 30.0

Convert level measurement to level in inches.

2

Current tank level in inches

CPT
Compute
Dest T304_INCH 25.0
Expression ((LT304_MEAS)/100.0)*(45-0)+0

Tank Control - on when level low, off when level high.

3

Enable day tank control, on allows day tank to operate. When off, valve is closed and pump off.
T304_ENABLE

Current tank level in inches

LT
Less Than (A<B)
Source A T304_INCH 25.0
Source B T304_LO_LVL 20.0

P-303 pump control, on runs pump
P303_RUN
<Local:2:O.Data.0>

Current tank level in inches

LE
Less Than or Eql (A<=B)
Source A T304_INCH 25.0
Source B T304_HI_LVL 30.0

P-303 pump control, on runs pump
P303_RUN
<Local:2:O.Data.0>

XV303 valve control, on opens valve, off closes valve
XV303_SOL
<Local:2:O.Data.1>

(End)