## How to scale analog input and output of 4 to 20 mA to my engineering format ?
## How to scale analog input and output of 0 to 10 V to my engineering format ?

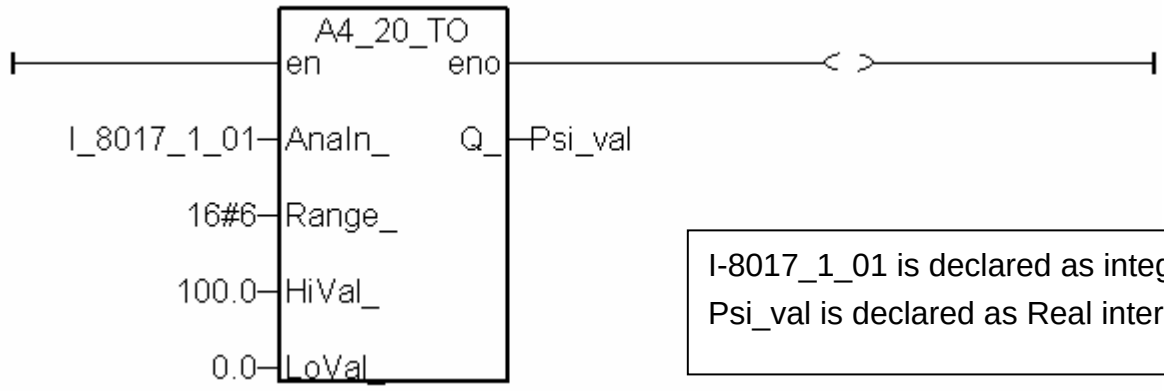
| | | | |
|---|---|---|---|
| I-7188EG : | ver. 2.04 or later | I-7188XG : | ver. 2.03 or later |
| I-8xx7 : | ver. 3.06 or later | W-8x37 : | ver. 3.15 or later |

The above driver all support the below scaling functions to convert (4 to 20mA) or (0 to 10V) to user's engineering format.

| | |
|---|---|
| A4_20_to | scaling analog input (4 to 20 mA) to user's engineering format. |
| V0_10_to | scaling analog input (0 to 10 V) to user's engineering format. |
| to_A4_20 | scaling user's engineering format to analog output (4 to 20 mA). |
| to_V0_10 | scaling user's engineering format to analog output (0 to 10 V). |

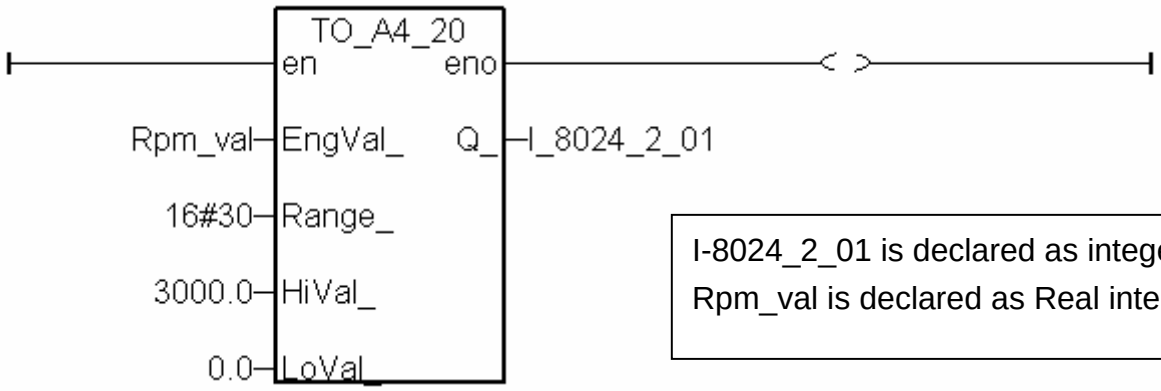
For example:

1. Scale I-8017H 's current input with range setting as 6: (-20 to +20 mA) to user's engineering format of ( 0 to 100 psi). 4 mA means 0 psi , 20 mA means 100 psi




I-8017_1_01 is declared as integer input,
Psi_val is declared as Real internal.

2. Scale ( 0 to 3000 rpm) to I-8024's current output with range setting of 30: (0 to 20 mA). 0 rpm should output 4 mA , 3000 rpm outputs as 20 mA.




I-8024_2_01 is declared as integer output,
Rpm_val is declared as Real internal.