

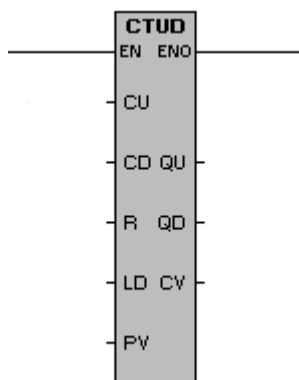
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CTUD (Up / Down Counter)

Function name	CTUD_010
Function version	1.0
Function state	stable
Compatibility with IEC61131-3	compatible

Graphic symbol :



Input / Output :

Name	Belonging Group	Access	Types of data	Description
EN	Left Power Flow			IEC1131-3 enable input
CU	Normal	R , RW	F , B , W , L , S	Count up input
CD	Normal	R , RW	F , B , W , L , S	Count down input
R	Normal	R , RW	F , B , W , L , S	Reset counter
LD	Normal	R , RW	F , B , W , L , S	Load counter
PV	Normal	R , RW	B , W , L , S	Preset counter
QU	Normal	W , RW	F , B , W , L , S	Status counter Up
QD	Normal	W , RW	F , B , W , L , S	Status counter Down
CV	Normal	W , RW	B , W , L , S	Counter current value
ENO	Right Power Flow			IEC1131-3 enable output

Description :

The function block Up/Down Counter counts forward or backward from the preset value on the raising front of the count up input (CU) or of the count down input (CD). When the current counter value (CV) is equal to the one preset, the output (QU) is activated. When the current counter value (CV) is equal to zero, the output (QD) is activated. The counter loads the current counter value (CV) with the preset value (PV) when the load input (LD) is activated. At the same time, the counter resets and loads the counter current value (CV) with zero when reset (R) is active and it stops counting when it reaches the preset value of zero.

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