

## EtherNet/IP Level 2.06 Count Conditions

This is a much shorter function to test

Output traffic.

Status/Path	Access	Class	Attribute	#Out	Data Out	Raw Out
32 7A 01 6E	Set	Index	Count_Block	1	1	01
32 67 01 71	Set	Print_format	Print_Character_String	9	"{{CCCC}}"	7B 7B 43 43 ...
32 79 01 67	Set	Count	Initial_Value	5	"0001"	30 30 30 31 00
32 79 01 68	Set	Count	Count_Range_1	5	"0000"	30 30 30 30 00
32 79 01 69	Set	Count	Count_Range_2	5	"9999"	39 39 39 39 00
32 79 01 6E	Set	Count	Jump_From	5	"6666"	36 36 36 36 00
32 79 01 6F	Set	Count	Jump_To	5	"7777"	37 37 37 37 00
32 79 01 6C	Set	Count	Increment_Value	1	1	01
32 79 01 6D	Set	Count	Direction_Value	1	Up	01
32 79 01 73	Set	Count	Zero_Suppression	1	Enable	01
32 79 01 74	Set	Count	Count_Multiplier	2	"2"	32 00
32 79 01 70	Set	Count	Reset_Value	5	"0001"	30 30 30 31 00
32 79 01 75	Set	Count	Count_Skip	2	"0"	30 00
32 79 01 6A	Set	Count	Update_Unit_Halfway	3	0	00 00 00
32 79 01 6B	Set	Count	Update_Unit_Unit	3	1	00 00 01
32 79 01 71	Set	Count	Type_Of_Reset_Signal	1	Signal 1	01
32 79 01 72	Set	Count	External_Count	1	Disable	00

Input Traffic.

Status/Path	Access	Class	Attribute	#In	Data In	Raw In
33 79 01 66	Get	Count	Number_Of_Count_Block	1	1	01
33 79 01 67	Get	Count	Initial_Value	4	"0000"	30 30 30 30
33 79 01 68	Get	Count	Count_Range_1	4	"0000"	30 30 30 30
33 79 01 69	Get	Count	Count_Range_2	4	"9999"	39 39 39 39
33 79 01 6A	Get	Count	Update_Unit_Halfway	3	0	00 00 00
33 79 01 6B	Get	Count	Update_Unit_Unit	3	1	00 00 01
33 79 01 6C	Get	Count	Increment_Value	1	1	01
33 79 01 6D	Get	Count	Direction_Value	1	Up	01
33 79 01 6E	Get	Count	Jump_From	4	"6666"	36 36 36 36
33 79 01 6F	Get	Count	Jump_To	4	"7777"	37 37 37 37
33 79 01 70	Get	Count	Reset_Value	4	"0001"	30 30 30 31
33 79 01 71	Get	Count	Type_Of_Reset_Signal	4	808464433	30 30 30 31
33 79 01 72	Get	Count	External_Count	0	Disable	
33 79 01 73	Get	Count	Zero_Suppression	1	Enable	01
33 79 01 74	Get	Count	Count_Multiplier	1	"2"	32
33 79 01 75	Get	Count	Count_Skip	1	" "	20

Browser screen

Attributes	#	Data	Control
Number Of Count Block (0x66)	1	1	Get
Initial Value (0x67)	4	"0000"	Get Set
Count Range 1 (0x68)	4	"0000"	Get Set
Count Range 2 (0x69)	4	"9999"	Get Set
Update Unit Halfway (0x6A)	3	0	Get Set
Update Unit Unit (0x6B)	3	1	Get Set
Increment Value (0x6C)	1	1	Get Set
Direction Value (0x6D)	1	Up	Get Set
Jump From (0x6E)	4	"6666"	Get Set
Jump To (0x6F)	4	"7777"	Get Set
Reset Value (0x70)	4	"0001"	Get Set
Type Of Reset Signal (0x71)	4	808464433	Get Set
External Count (0x72)	0	Disable	Get Set
Zero Suppression (0x73)	1	Enable	Get Set
Count Multiplier (0x74)	1	"2"	Get Set
Count Skip (0x75)	1	" "	Get Set

Index Functions

Item 1 Get Set

Count Block 1 Get Set

Test Results:

- Initial Value == Returned as 0, not 1.
- External Signal was returned as a character string, not a decimal value
- External count returned no data
- Skip count was returned as a space.