3 TAG Parameters

Name	Description	Default Value	Acceptable Values	
Id	Tag#, defined internally by the Ewon	NA	Integer, first tag is 1, numbers of deleted tags are not re-used	
Name	Tag name	[empty]	Text	
Description	Tag description	[empty]	Text	
ServerName	Name of the server which delivers the tag value	[empty]	One of the servers available in the Ewon. Examples: EWON, MEM, DF1, etc..	
TopicName	Name of the topic the tag is part of	[empty]	A, B or C	
Address	Address in the IO server	TagName	Register associated with the IO server. Example: F8:9	
Coef	Coefficient by which the IO server delivered value is multiplied	'1.000000	Float	
Offset	Offset added to the IO server delivered value	0.000000	Float	
LogEnabled	Historical Logging enable	0	0	Disabled
			1	Enabled
AlEnabled	Alarm enabled	0	0	Disabled
			1	Enabled
Type	Type of variable	0	0	Boolean
			1	Floating Point
			2	Integer
			3	DWord
			6	String
AlBool	Alarm level (for Boolean tags)	0	0	Alarm on 0
			1	Alarm on 1
MemTag	Is tag a memory tag ?	0	0	False
			1	True
MbsTcpEnabled	Publish tag in Modbus TCP	0	0	False
			1	True
MbsTcpFloat	Publish tag in Modbus TCP 32 Bit format (would the value come from two consecutive registers)	0	0	Disabled
			1	Enabled
SnmpEnabled	SNMP tag accessibility	0	0	Disabled
			1	Enabled
RTLogEnabled	Real-time logging enabled	0	0	False
			1	True
AlAutoAck	Alarm auto acknowledgment	0	0	Disabled
			1	Enabled
ForceRO	Force tag read-only	0	0	Disabled
			1	Enabled
SnmpOID	SNMP tag publication ID This is the last part of the whole chain.	1	Integer	
AutoType	Automatic detection of variable type	0	0	Disabled
			1	Enabled
AlHint	Alarm hint	[empty]	Text	
AlHigh	Alarm level high	0	Floating point	
AlLow	Alarm level low	0	Floating point	
AlTimeDB	Alarm Delay (time deadband)	0	Integer (seconds)	
AlLevelDB	Alarm Value deadband	0	Floating point	
IVGroupA to D	Instant Value Group A to D (allows to filter extractions)	[not selected]	0	False
			1	True
PageId	Index of the user page the tag is part of	1	1 to 10	

Name	Description	Default Value	Acceptable Values	
RTLogWindow	Time span (period logged for real-time logging)	600	Integer [seconds]	
RTLogTimer	Real-time logging interval (in seconds)	10	Integer [seconds]	
LogDB	Historical logging deadband (do not log tag if value change is less than …). For string tags, the recording occurs when the tag changes value (regardless of deadband).	-1	-1	Disabled
			0	onchange recording for string tags only
			Floating point	deadband for tags other than string type tags.
LogTimer	Historical logging interval (in seconds) Value stored cyclically. Does not apply for string tags.	0	0	Not stored cyclically
			Integer [seconds]	
AlLoLo	Alarm Level LowLow	[empty]	Floating point	
AlHiHi	Alarm Level HighHigh	[empty]	Floating point	
MbsTcpRegister	Register by which the tag is published in Modbus TCP	1	Integer	
MbsTcpCoef	Coefficient by which the tag value is multiplied before being published to Modbus TCP	1	Floating point	
MbsTcpOffset	Offset added to the tag value before …	0	Floating point	
EEN*	Enable Email	0	Check *"Send On Alarm" Notification Patterns, p. 13*	
ETO	Email alarm recipient(s)	[empty]	Email addresses separated by a coma.	
ECC	Email alarm carbon-copy recipient(s)	[empty]	Email addresses separated by a coma.	
ESU	Email alarm subject	[empty]	Text	
EAT	Email alarm attachment	[empty]	An Export Block Descriptor	
ESH	Enable Email sent as SMS	0	0	False
			1	True
SEN*	Enable SMS	0	Check *"Send On Alarm" Notification Patterns, p. 13*	
STO	SMS alarm recipient	[empty]	Check the General Reference Guide of the corresponding device for SMS number syntax.	
SSU	SMS alarm subject	[empty]	Text	
TEN*	Enable trap (SNMP)	0	Check *"Send On Alarm" Notification Patterns, p. 13*	
TSU*	Trap (SNMP) subject	[empty]	SNMP syntax	
FEN*	Enable FTP	0	Check *"Send On Alarm" Notification Patterns, p. 13*	
FFN	FTP destination file name	[empty]	Text	
FCO	FTP file content	[empty]	An Export Block Descriptor	
AIStat	Alarm status	0	0	No alarm
			1	Pretrigger
			2	ALM
			3	ACK
			4	RTN
			5	END
ChangeTime	Last change time This is a read only parameter	[empty]	Date / time	
TagValue	Tag current value This is a read only parameter	0	Value of the tag	
TagQuality	Quality of the tag This is a read only parameter	N/A	Integer [bits] Check KB-0039-00 for more details.	
AIType	Alarm Status of the tag This is a read only parameter	N/A	0	No alarm
			1	Warning level HIGH

Name	Description	Default Value	Acceptable Values	
			2	Warning level LOW
			3	Boolean alarm level
			4	Alarm level HIGH HIGH
			5	Alarm level LOW LOW
DoDelete	Delete the tag This is a write only parameter	N/A	0	Don't delete
			1	Delete
DoAck	Acknowledge the tag This is a write only parameter	N/A	0	Don't acknowledge
			1	Acknowledge
DoSetVal	Ability or not to modify the value of the tags This is a write only parameter	N/A	0	False
			1	True
KPI	Enable or disable the KPI parameter	0	0	False
			1	True
UseCustomerUnit	Use of a custom unit that is not set under	0	0	Don't use (OPC UA unit convertion applies)
			1	Use custom units
Unit	Representation of the tag's unit of measurement	If UseCusto-mUnit = 0, the value is the UNECE code of the unit from the OPCUA UnitList. If UseCusto-mUni t = 1, the value is any string encoded by the user. Max: 127 chars.	String value examples: If UseCustomUnit = 0 "" for no unit "CEL" for °C "KMH" for km/h "MTK" for m² If UseCustomUnit = 1 "apples/sec" "peers/boat"	

3.1 "Send On Alarm" Notification Patterns

Several tag alarm parameters can have different values based on the type(s) of alarm status the device should notify. These parameters are *EEN*, *SEN*, *TEN*, *FEN*

Values of Alarm Types				
ALM	**ACK**	**RTN**	**END**	**Values**
				0
X				8
	X			16
		X		32
			X	2

If multiple status need to be selected, their values are added. For example, if "ALM" and "END" should trigger a notification by SMS, the value of the *SEN* parameter will be 10.