

Config.txt Parameters

SOLUTION SHEET

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1 Preface

1.1 About This Document

This document lists all parameters contained in the config.txt of the Ewon Cosy 131 and Ewon Flexy.

For additional related documentation and file downloads, please visit www.ewon.biz/support.

1.2 Document history

Version	Date	Description
1.0	2018-08-28	First release
1.1	2019-10-15	Added: Unit parameters in <i>TAG Parameters, p. 12</i> Added: string tags in <i>TAG Parameters, p. 12</i> Added: MindSphere® parameters in <i>SYS Parameters, p. 4</i>
1.2	2019-12-03	Added: <i>Security Improvement, p. 17</i>
1.3	2020-05-06	Added: "SSIOutputMode" Added: "DMMdspPxyEnabled"
1.4	2021-06-07	Added: "CORSAAllowedHosts" Added: "WebFormSecurity"

1.3 Related Documents

Document	Author	Document ID
Restore an Ewon backup through eBuddy	HMS	KB-0186-00

1.4 Trademark Information

Ewon® is a registered trademark of HMS Industrial Networks SA. All other trademarks mentioned in this document are the property of their respective holders.

2 SYS Parameters

Name	Description	Default Value	Acceptable Values	
System	File structure	NA	NA	
Identification	Ewon Identification	[empty]	Text	
Information	General information	[empty]	Text	
PostWithPPP	NUA	NUA	NUA	
SmtServerPort	SMTP Server Port	25	Integer	
SmtServerAddr	SMTP Server Address Examples: smtp.domain.com or mail.domain.com or an IP address	[empty]	Text or IPv4 dotted decimal	
SmtUserName	EMail "From" User name: Example: name@provider.ab	[empty]	Text	
AlRetrigInt	Action retri. Interval	86400	Integer [seconds]	
NtpEnable	Enable the NTP client of your Ewon	0	0	Disabled
			1	Enabled
NtpServerAddr	NTP Server Address Examples: www.domain.com or an IP address	ntp.talk2m.com	Text or IPv4 dotted decimal	
NtpServerPort	The port of the remote NTP server.	123	Integer	
NtpInterval	The time interval between two NTP client synchronizations.	1440	Integer [minutes]	
PrgAutorun	Script starts at Ewon boot	0	0	False
			1	True
FormatRequest	NUA	NUA	NUA	
MbsBaudRate	Modbus IO Server Baud Rate	0 (disabled)	0, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57200	
Mbs2StopBit	Modbus IO Server Stop Bit(s)	0	0	1
			1	2
MbsParity	Modbus IO Server Parity	0	0	None
			1	Even
			2	Odd
MbsReplyTO	Modbus IO Server Reply Timeout	1000	Integer [msec]	
MbsPR1:, PR2:, PR3	Modbus IO Server Poll Rate Topics A, B, C	2000	Integer [msec]	
TimeZoneOffset	TNTP: GMT Offset	-7200	Signed Integer [seconds]	
MbsAddress	Modbus TCP Server Unit Address	100	Integer	
MbsSlaveEn	Modbus TCP Server Slave	1	0	Disabled
			1	Enabled
DecSeparator	Decimal separator	46	46	TBD
Page1	User Page 1	Default	Text	
Page2	User Page 2	System	Text	
Page3 (valid until page 10)	User Page 3 to 10	[empty]	Text	
IOSrv0 (valid until server 9)	Configured IO Servers EWON See IOSrv# and IOSrvData#, p. 11	[empty]	MEM, EWON, MODBUS, OPCUA, NETMPI, SNMP, DF1, FINS, ABLOGIX, SNMP, S7200, QWAVE, HITACHI, MELSEC	
IOSrvData0 (valid until server 9)	IO Server settings. See IOSrv# and IOSrvData#, p. 11	[empty]	Depending on IO Servers configured with previous field.	
SecureUsr	Enable user web pages security	1	0	Disabled
			1	Enabled
NUA stands for "Not Used Anymore".				

Name	Description	Default Value	Acceptable Values	
HomePage	User defined web home page Example: index.htm or an IP address	[empty]	Text, IPv4 dotted decimal or a viewON synopsis name	
MbsSMB1 (valid until unit 3)	MODBUS IO Server Slave Address (Unit Id): for topic A to C	256	Integer <=256	
MbsSIP1 (valid until address 3)	MODBUS IO Server IP address	0.0.0.0	IPv4 dotted decimal	
FtpServerPort	The port of the targeted FTP server	21	Integer	
FtpServerAddr	The address of the targeted FTP server	[empty]	IPv4 dotted decimal	
FtpUserName	The username of the targeted FTP server	[empty]	Text	
FtpPassword	The password of the targeted FTP server	#_1_/8=	Text	
SntpAllowB64	Indicates if the SMTP destination server supports base64 encoding.	1	True	
		0	False	
MbsEn1 (valid until topic 3)	Modbus IO Server Enable Topic A, B and C	0	0	Disabled
			1	Enabled
HTTPC_SDTO	HTTP client operations GetHTTP or PutHTTP - SEND timeout	[empty]	Integer [seconds]	
HTTPC_RDTO	HTTP client operations GetHTTP or PutHTTP - READ timeout	[empty]	Integer [seconds]	
HTTPC_DEB	Enable the HTTP client debug	1	True	
		0	False	
FTPC_SDT	FTP client operations GetFTP or PutFTP - SEND timeout	[empty]	Integer [seconds]	
FTPC_SCTO	FTP client operations GetFTP or PutFTP - Connect timeout	[empty]	Integer [seconds]	
FTPC_ACTO	FTP client operations GetFTP or PutFTP - Accept timeout (=connect in passive mode)	[empty]	Integer [seconds]	
FTPC_RDTO	FTP client operations GetFTP or PutFTP - READ timeout	[empty]	Integer [seconds]	
UNACT_TO	Scheduled action timeout.	[empty]	Integer [seconds] Possible value: [0 — 7200]	
DNS_SRTO	DNS server reply timeout	[empty]	Integer [seconds]	
DNS_TTL	DNS server TTL	[empty]	Integer [seconds]	
DNS_ERRMSK	The mask DNS errors in logs	[empty]	TBD	
HTTP_REQTO	The setup of the watchdog related to HTTP requests thread to avoid reboots	[empty]	Integer [seconds]	
SntpCom1 (valid until community 5)	SNMP Community 1 to 5	[empty]	Text	
SntpR1 (valid until community 5)	SNMP Community 1 to 5: Read	0	0	Disabled
			1	Enabled
SntpW1 (valid until community 5)	SNMP Community 1 to 5: Write	0	0	Disabled
			1	Enabled
SntpAlwAll	Accept SNMP from any host	1	0	Disabled
			1	Enabled
SntpHlp1 (valid until host 5)	SNMP Hosts > Host1 to 5 IP address	[empty]	IPv4 dotted decimal	
SntpHCom1 (valid until host 5)	SNMP Hosts > Host1 to 5 Community	[empty]	Text	
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Name	Description	Default Value	Acceptable Values	
SnmpHTrap1 (valid until host 5)	SNMP Hosts > Host1 to 5 Trap	0	0	Disabled
			1	Enabled
SnmpHALw1 (valid until host 5)	SNMP Hosts > Host1 to 5 Allow Access	0	0	Disabled
			1	Enabled
MbsBits	MODBUS IO Server: Data Bits The MbsBits parameter specifies how the Modbus IO Server will read the bytes.	8	7 or 8	
FtpUsePasv	FTP Client: Use Passive Mode	0	0	Disabled
			1	Enabled
AlMaxTry	Alarm > Retry action:	1	Integer	
AlRetryInt	Alarm > Action retry interval:	120	Integer [seconds]	
HWMode	MODBUS IO Server: HW mode	1	1	Half Duplex
			2	Full Duplex HW Handshaking
			3	Full Duplex NO Handshaking
InitClRepLvl	Event Logging Level - Initialisation	3	1	error
			2	warning
			3	trace
ConfigClRepLvl	Event Logging Level - Configuration	3	1	error
			2	warning
			3	trace
IoSrvClRepLvl	Event Logging Level - IO Server	3	1	error
			2	warning
			3	trace
ModemClRepLvl	Event Logging Level - Modem Communication	3	1	error
			2	warning
			3	trace
IpClRepLvl	Event Logging Level - IP Communication	3	1	error
			2	warning
			3	trace
SerialClRepLvl	Event Logging Level - Serial Communication	3	1	error
			2	warning
			3	trace
KernelClRepLvl	Event Logging Level - Kernel	3	1	error
			2	warning
			3	trace
WebClRepLvl	Event Logging Level - Web Interface	3	1	error
			2	warning
			3	trace
SecuClRepLvl	Event Logging Level - Security	3	1	error
			2	warning
			3	trace
OthersClRepLvl	Event Logging Level - Others	3	1	error
			2	warning
			3	trace
ComCfg1	Used to filter exportable status of VCOM configuration	[empty]	TBD	
ComCfg2	NUA	NUA	NUA	
HomePageType	User defined web home page	0	0	User
			1	ViewON
SmtAuthUser	SMTP > User name	[empty]	Text	
SmtAuthPass	SMTP > Password	#_1_//8=	Text	
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Name	Description	Default Value	Acceptable Values	
IpMbsSrvPort	Modbus TCP Port	502	Integer	
IpEipSrvPort	EtherNet/IP Port	44818	Integer	
NLSeparator	The separator for .txt config file export	1	0	0xB6, PI ASCII char
			1	new line
IpIsoSrvPort	ISOTCP Port	102	Integer	
IpFinsSrvPort	FINS Port	9600	Integer	
LayDir	NUA	NUA	NUA	
TagPollMode	Disable Tags in Error	0	0	Disabled
			1	Enabled
DMClientId	Data Management - Ewon ID	[empty]	Ewon ID specified on the acquisition server.	
DMClientPwd	Data Management - Password	#_1_/8=	text	
DMSrvUrl	Data Management - Server URL of the acquisition server the data is sent to. This parameter depends on the parameter. If DMSelect: <ul style="list-style-type: none"> = 0 then DMSrvUrl is not active = 1 then DMSrvUrl = ewondata.talk2m.com, and is active = 2 then DMSrvUrl = URL of server, and is active = 4 then DMSrvUrl is not active 	[empty]	URL	
DMSyncSch	Data Management - Transfer Schedule	[empty]		
DMGroupA (valid until group D)	Data Management - Select Tag groups A to D	0	0	Disabled
			1	Enabled
DMHTRel	The time value of the data management in an EBD For example: \$dtHL \$st_XXX, \$dtAH \$st_XXX	d1	Check the General Reference Guide for Export Block Descriptor (RG-0009).	
DMonAlarm	Data Management - Upload on Alarm	0	0	Disabled
			1	Enabled
DMSyncInt	Data Management - Upload Interval	0	Integer [minutes]	
IOTcpDefTO	Default TCP RX/TX timeout	1000	Integer [msec]	
PlannerMaxTry	Planner > Try action	0	Integer	
PlannerRetryInt	Planner > Action Retry Interval	60	Integer [minutes]	
PlannerEntry1 (valid until entry 10)	Planner Timer Interval > Entry1 to 10 Example of valid entry: 0 0 * * 1 action to carry out every Monday For more information check the General Reference Guide corresponding to the device	[empty]	Syntax is the following: mm = minutes (0-59) hh = hours (0-23) dd = day of the month (1-31) MMM is the month (1-12)DDD is day of week (1-7)	
PreRev6Compat	Keep data compatible with firmware rev. 5.6 and before (tag quality). <i>Parameter can be set only in config.txt.</i>	0	0	False
			1	True
WizSysDone	System Wizard Done This is for Cosy 131 only	0	0	False
			1	True
WizOGWDone	Gateway Wizard Done This is for Cosy 131 only	0	0	False
			1	True
IOGWSrvName	NUA	NUA	NUA	
ShowAdvOpt	Enter maintenance mode This is for Cosy 131 only	0	0	False
			1	True
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Name	Description	Default Value	Acceptable Values	
PutHttpPxyFile	Proxy File This file contains string arguments and is appended to the body of a PUTHTTP.	"/usr/puthttp.proxy"	Arguments formatted as "aa=bb&cc=dd&..."	
Language	Language selection	-1	-1	Not configured
			0	English
			1	English
			2	French
			3	German
AlEmailTemplate	AL Email Template:	[empty]	Text	
AlSMSTemplate	AL SMS Template:	[empty]	Text	
ErrorMuteEnabled	Prevent the flood of repetitive information in the event log	0	0	Deactivated
			1	Activated
HttpCertDir	Path to the folder where custom certificates are stored	[empty]	Path into the /usr folder	
OpcuaEnabled	Enable the OPCUA server of the device	0	0	Deactivated
			1	Activated
OpcuaPort	Port used by the OPCUA server	48020	Integer	
OpcuaPublishTagsA (valid until group tag D)	Group(s) of tags that will be published	0	0	Group will not be published
			1	Group will be published
OpcuaLoginType	Which type of login the OPC UA server should be using	0	0	Username / Password
			1	Anonymous
			2	Certificates
OpcuaVerboseLevel	TBD	TBD	TBD	TBD
BackupSkipSD	Should the content of "/usr/sdext" representing the SD card be integrated in the backup	1	0	Don't skip, integrate the content in the backup
			1	Skip it, don't integrate the content in the backup
NtpUpdateOnWANCnx	Update the date & time of the device on each WAN establishing connection <i>NtpEnable</i> must be true.	1	0	Deactivated
			1	Activated
SDEUMAutoformat	Format the EUM card if the EUM repair tool fails Learn more about the EUM autorepair in the AUG-0069-00	0	0	Deactivated
			1	Activated
OpcuaExportTagMode	How the OPCUA client should identify the tags	1	0	Export TAGs by ID
			1	Export TAGs by name
HostsFilePath	The path to the DNS hosts file	"/usr/hosts.txt"	String	
NtpRelayEnable	Enable the NTP server of the Ewon. If "NtpEnable" is also enabled, the eWOn becomes an NTP relay.	1	0	NTP server disabled
			1	NTP server enable
NtpRelaySlewing	The method used to change the date & time. Slewing will speed up/down the time in a smooth and imperceptible way. No slewing means an immediate change.	1	0	NTP server time slewing disabled
			1	NTP serve time slewing enabled
Timezone	The configuration of the Ewon time zone [including day saving time DST, stored inside the firmware].	UTC	String (UTC country based) Example: Europe/Brussels	
OpcuaServerPKIDir	The PKI certification location for the OPC UA server	/usr/pki [default]	String (path to FTP folder)	
OpcuaClientPKIDir	The PKI certification location for the OPC UA Client	/usr/pki_cli [default]	String (path to FTP folder)	

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Name	Description	Default Value	Acceptable Values	
	The connection to the OPC UA server must be active in order to get this folder visible			
DMKPIEnable			0	Enable the KPI and Live data publishing
				Deactivated
1			Activated	
NTPMaxDistance	The maximum distance (in seconds) allowed for the NTP synchronisation. A high value allows a slow NTP server to be accepted as a valid time source. A low value refuses slow and inaccurate NTP servers.	30	Integer Minimum: 3	
UTCExport	Selection of the timestamps method used to export data	0	0	Local time (legacy behavior)
			1	UTC
DMMdspIAT	MindSphere® Initial Access Token This parameter is used for MindSphere® commissioning.	[empty]	String (MindSphere® token)	
DMMdspTenant	Tenant parameter from a MindSphere® account.	[empty]	String	
DMMdspClientID	MindSphere® Client ID. Automatically set by the onboarding process.	[empty]	String	
DMMdspClientSecret	MindSphere® Client Secret. Automatically set by the onboarding process.	[empty]	String	
DMMdspRegAccessToken	MindSphere® Token for registration. Automatically set by the onboarding process.	[empty]	String	
DMMdspRegClientURI	MindSphere® Registration Client URI for registration. Automatically set by the onboarding process.	[empty]	String	
DMSselect	Target where the data management should be sent (when using the DMSync command).	1	0	None
			1	Talk2M API (DataMailbox)
			2	eSync
			4	MindSphere®
OpcuaDebugLvl	OPC UA server trace level.	0	0	Disabled
			0xffffffff	All
DMMdspAlarmEnable	Action of pushing each alarm that occurs on the Flexy to MindSphere® as an event. This will also push pending historical data.	0	0	Disabled
			1	Enabled
DMMdspLastPushed	Date and time of the last pushed data to MindSphere®. This field is automatically updated. By modifying this parameter, you change the behavior of the next push of data to MindSphere® or the next DMSync command you execute. This allow you to push historical data on a specific date (advanced use only).	01011972_000000_000_0	Timestamps under the form: ddMMyyyy_HHmms_000_IC with IC being the intra sec counter.	
OpcuaIOSrvIgnCertErr	Allows the configuration of the OPC UA IO server to bypass some certificate check errors	0	0	Errors are not ignored
			1	Ignore "untrusted certificate" error.
			2	Ignore "hostname invalid" error.
			4	Ignore "use not allowed" error.
			8	Ignore "URI invalid" error.

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Name	Description	Default Value	Acceptable Values	
DMMdspPxyEnabled	Set the proxy for HTTP connection to Mindsphere.	0	0 1	Disable Enable
SSIOutputMode	Behavior of the Server Side Include language in terms of output security	1	0 1	None escaped-HTML behavior Escaped-HTML behavior
CORSAllowed-Hosts	This parameters tells the Ewon for which domain it will accept cross-domain requests.	Empty	Empty * (wildcard) comma-separated list of hosts or domains	Default value. All cross-domain requests are blocked Cross-domain requests allowed for any domain cross-domain requests allowed for these hosts/ domains only Port number can also be set.
WebFormSecurity	Allow an anonymous read-only access to specific type of data. By default, anonymous access to <i>/usr folder and subfolders</i> is checked and locked for backward compatibility purpose. Anonymous access to <i>/usr folder and subfolders</i> is also dependent of the SecureUsr parameter value for backward compatibility purpose. This means that WebFormsSecurity can only be set when SecureUsr = 0.	Maximum allowed value (2147483647) This is based on default value of "SecureUsr" which is 1	2147483647 Integer This integer represents the difference between 255 and the sum of each bit	Unset, WebFormsSecurity will not be taken into consideration Bit 1 = Tag values read by viewon 0 / 1 0 = anonymous access enabled Bit 2 = Inst. Tag Values (\$dtIV) 0 / 1 0 = anonymous access enabled Bit 3 = Inst. String Tag Values (\$dtIS) 0 / 1 0 = anonymous access enabled Bit 4 = Alarm Summary (\$dtAR) 0 / 1 0 = anonymous access enabled Bit 5 = Alarm History (\$dtAH) 0 / 1 0 = anonymous access enabled Bit 6 = Historical Logging (\$dtHL) 0 / 1 0 = anonymous access enabled Bit 7 = Historical Table (\$dtHT) 0 / 1 0 = anonymous access enabled Bit 8 = Historical String (\$dtHS) 0 / 1 0 = anonymous access enabled
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2.1 IOSrv# and IOSrvData#

As explained previously, the parameter “IOSrv#” refers to an IO server that had been configured in the Ewon device. The “IOSrvData#” parameter regroups all settings that are necessary to the IO server. “IOSrv#” and “IOSrvData#” are linked based on the commun number, e.g.:

- IOSrv1 can be set to OPC UA.
- IOSrvData1 will contain all settings for the IOSrv1, and so OPC UA, to run.

2.1.1 OPC UA

If “IOSrv#” has *opcua* as value, the corresponding “IOSrvData#” will have the following as value:

Parameter	Description	Default	Acceptable Values	
Enabled#	Enables the topic.			
EndpointUrl#	The URL of the OPC UA server If the port is not provided, default is 4840.	N/A	opc.tcp://[IP Address]:[Port]	
UserTokenType#	Authentication method.	N/A	0	Anonymous
			1	Username/ Password
			2	Certificate
AuthUser#	The username when “UserTokenType#” is set to 1.	N/A	ASCII characters	
AuthPwd#	The password when “UserTokenType#” is set to 1.	N/A	ASCII characters	
AuthCertificate-Path#	The path to the authentication certificate.	/usr/pki_cli[...]	Existing path in the FTP server.	
AuthPrivateKey-Path#	The path to the authentication private key.	/usr/pki_cli[...]	Existing path in the FTP server.	
MessageSecurity-Mode#	The security mode.	N/A	1	None
			2	Sign
			3	Sign and Encrypt
SecurityPolicyUri#	The security algorithm.	N/A	0	None
			1	Basic256
			2	Basic256- Sha256

In the above table, “#” represent the topic which can be “A”, “B” or “C”.

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
Pageld	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. 14	
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. 14	
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. 14	
TSU*	Trap (SNMP) subject	[empty]	SNMP syntax	
FEN*	Enable FTP	0	Check "Send On Alarm" Notification Patterns, p. 14	
FFN	FTP destination file name	[empty]	Text	
FCO	FTP file content	[empty]	An Export Block Descriptor	
AlStat	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.	
AlType	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 conversion applies)
			1	Use custom units
Unit	Representation of the tag's unit of measurement	If UseCustomUnit = 0, the value is the UNECE code of the unit from the OPCUA UnitList . If UseCustomUnit = 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 m ² 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.

4 USER Parameters

Name	Description	Default Value	Acceptable Values
Id	Sequential user number (generated automatically)	1	Integer
FirstName	User First Name	[empty]	Text [20]
LastName	User Last Name	[empty]	Text [24]
Login	User Login	adm	Text [20]
Password	User Password	adm	Text [24]
Information	User Free Text	[empty]	Text
Right	User permissions	All (usr adm)	View IO, Force Outputs, Acknowledge Alarms, Change Configuration, FTP server access, Ewon Files access [EBD], Java Forms access, Control JAVA JVM.
EMA	NUA	NUA	NUA
SMS	NUA	NUA	NUA
AccessPage	User right to access tag pages	All	Default, System, ...
AccessDir	User right to access user directories	All	Default, System, ...
CBEn	User callback	0	0 Disabled 1 Enabled
CBMode	User callback phone number value is	0	0 Mandatory 1 User defined
CBPhNum	User callback phone number	[empty]	Phone number
DoDelete	Delete the user	N/A	0 Don't delete 1 Delete

NUA stands for "Not Used Anymore".

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A Security Improvement

Since firmware 13.3, the encryption of sensitive parameters in the Ewon has been highly increased.

The following parameters have a different encryption pattern depending if your Ewon is running a firmware lower or equal/higher than 13.3:

- - **SmtpAuthPass**
 - **DMClientPwd**
 - **FtpPassword**
 - **UserList (all users' password in the Ewon)**

This has an incidence if you restore a **<config.txt>** file coming from an Ewon running firmware \geq 13 that is destined to go in to an Ewon running firmware $<$ 13. More information in the “Restore an Ewon backup through eBuddy” document from [Related Documents, p. 3](#).

