

WEB-PLC V8.2.2 - Known Bugs

Component: WEB-PLC - Editor (19 matches)

Ticket	Summary	Description	Workaround
#1011	P controller's output too imprecise	The range of the P controller's output port is [0..100]. This is too imprecise. The range should be [0..10000].	
#1012	Editor help erroneous	There are a lot of errors in the help topic on how to use the WEB-PLC editor.	
#1013	On-Off controller has wrong behaviour when SetOn input equals SetOff input	If both SetOn and SetOff inputs are equal, the Output delivers true for values lower than the SetOn/SetOff value and false for greater values than the SetOn/SetOff. The Output should have the opposite behaviour in that case.	
#1019	Unit Shade controller has wrong behaviour when TriggerTime input is not set or less than the cycle time.	If the TriggerTime input is not used or is less than the cycle time configured in the diagram, when the shade is order to move to 100% position or 0% position the up and down outputs respectively to the shade movement will stay on, till a new command is given.	Set a very high value to the TriggerTime input, so it will be ignored by the shade controller.
#1034	Diagram stopped after update with new I/O drivers	After the WEB-PLC has been updated to a new version that introduced new I/O drivers (Modbus Master in V4.11, CODESYS network variables in V5.04, Modbus Slave in V8.1.2), the diagram is stopped due to changes in the I/O configuration. The WEB-PLC should recognise that the new I/O configuration is a superset of the previous one and start the diagram.	The diagram must be converted, saved and started through the editor.
#1041	Diagram stopped after update with configurable variables	Since the variables are configurable, the WEB-PLC will not start diagrams created with previous versions (< V8.0.2), because it falsely detects a change in the variable configuration.	The diagram must be converted, saved and started through the editor.
#1042	Diagram stopped after	Diagrams that were created before the data type was configurable for Modbus Client/Master values (< V5.04, see #171), will not be started, because the WEB-PLC	The diagram must be converted, saved and

	update with configurable data type for Modbus Client/Master values	will flaselly detect a change in the I/O configuration.	started through the editor.
#1063	Diagram cannot be saved when edited with zoom	When the diagram has been edited while the zoom feature of the web browser was used, it may not be possible to save the diagram. The error message "JSON: This is a floating point number." will be shown. The problem has been observed in Microsoft Internet Explorer 11.	
#1066	Integer constants <-2147483648 or >4294967295 cannot be used	Constants smaller than -2147483648 or larger than 4294967295 without decimal places cannot be used in the WEB-PLC editor.	
#1075	Compare unit works with at least 32-bit unsigned integer	If only data types lower than 32-bit unsigned integer are connected to a compare unit's input ports, the unit will still perform the comparison in 32-bit unsigned integer, which may lead to wrong result depending on the particular values.	
#1087	Unit Compare assumes second input is unsigned when comparing 8 bit signed.	When the Unit Compare processes 8 bit signed values, it treats the second input as unsigned leading to wrong results.	
#1089	Variables settings site grid fails to render fully if many Variables are configured.	If the grid has more than 30 Variables, adding a new Variable through the "add" or "clone" may lead to the new Variable not being visible.	The configured Variables are in the grid but are not displayed by clicking "ok". They are saved and by clicking "reload" the Grid will rerender and display them. If "ok" is not clicked, the "invisible" Variables will be lost by clicking "reload".
#1093	Reboot due to I/O configuration mismatch	If the option "Treat all I/O values as 32-bit signed integers" is not set in the diagram's settings and inputs or outputs were removed from the I/O configuration (e.g. Modbus or CoDeSys network variables), the device may reboot while trying to parse the diagram at start-up.	
#1094	Demultiplexer	The Demultiplexer unit should support up to 8 output ports, but currently, if more than	

	unit supports only 7 output ports	7 output ports are used, the diagram cannot be saved. The error message "Number of out ports out of bounds" will be shown.	
#1095	Multiplexer unit supports only 7 input ports	The Multiplexer unit should support up to 8 input ports, but currently, if more than 7 input ports are used, the diagram can be saved but it won't load.	
#1170	Negate functionality does not work with Constant Units.	Negating a Constant Unit output has no effect, this can also be observed with the liveView feature.	
#1171	Unit State Machine supports only 9 input ports.	The State Machine unit should support up to 11 (Cond0..Cond4, Next0..Next4 and Sel) input ports, but currently if more than 9 input ports are used, the diagram cannot be saved. The error message "Number of out ports out of bounds" will be shown.	
#1316	Modbus TCP Client: No more requests after Modbus exception	If the Modbus TCP Server returns a Modbus exception (e.g. illegal data address) on a request from the Client, the Client will not send any more requests to this during the current cycle. In the next cycle it will start with the very first request. If the Client for example tries to request an illegal data address, the Server will always return an exception and further requests will never be sent.	
#1354	Cannot edit after clearing or loading diagram while element selected	If the diagram is cleared or loaded while any element is selected, the diagram cannot be edited afterwards.	Reload editor website

Component: WEB-PLC - General (19 matches)

Ticket	Summary	Description	Workaround
#708	Show OpenVPN information on portal even if connection cannot be controlled through portal	Information on the OpenVPN connection should be shown on the com.tom PORTAL even if controlling the OpenVPN connection through the portal is not allowed.	
#908	Empty configuration packages are invalid	If you export the configuration of the WEB-PLC to a CUP file, but do not select any group of configurations, the generated CUP file is invalid.	

#1024	Both RTC and SNTP are queried	The system time manager always queries the RTC and SNTP servers when both are available and enabled. However if the clock can be synchronised to an SNTP server, the RTC should not be queried before.	
#1025	Problems with 32 GB SDHC cards	The SDHC card driver has problems with 32 GB cards. The size is calculated wrongly, which may lead to access failures.	
#1030	Portal communication stops when a lot of data is pending	When a lot of data is pending to be transmitted to the portal, sending the data may fail and the connection to the portal will be closed. When the connection is re-established, the same will happen. Portal communication will be completely blocked.	Rebooting the device will probably help, if the pending data has summed up due to longer communication loss. Note that data will be lost in this case.
#1049	Daylight saving time rules switch times are wrong.	The Daylight saving time rules were wrongly calculated so the device changes 1 hour earlier the dst rule on and 2 hours later the dst rule off. That means that for the year 2016 with 'EU' dst rules the device should have added one hour on Sunday, 27. March 2016, 01:00:00 UTC but instead it does it at Sunday, 27. March 2016, 00:00:00 UTC, and it should remove one hour at Sunday, 30. October 2016, 01:00:00 UTC but instead it does it at Sunday, 30. October 2016, 02:00:00 UTC.	
#1052	Unit Shade controller does not work on SC1x8	The Unit Shade controller does not work on the SC1x8 variant of WEB-PLC.	
#1060	Messages cannot be sent and received after a restart	Messages generally only work when the diagram has just been saved and started. After the device has been restarted, messages cease to work.	
#1067	Cannot receive short messages from self	The WEB-PLC cannot receive short messages that it has sent itself. These messages may also block other messages. This problem may be limited to certain networks.	
#1068	Cannot receive multi-line short messages	The WEB-PLC cannot process received multi-line short messages. There are two special cases: If the second line contains only the word OK or the second line is empty and the third line contains only the word OK, only the first line will be processed.	
#1079	Portal: Drivers with Boolean Values trigger node creation or modification errors.	A Boolean Value Portal Node can't have the ScalingFactor or ScalingOffset properties. Currently the I/O Portal synchronisation module does not check the dataType of the node to be created and may cause a "Could not create node." or a "Could not modify node" error.	
#1091	Crash in Modbus Slave	When more than one 64-bit value are written by the Modbus Client/Master as Modbus registers, memory will be corrupted and the application may crash.	

	Driver when 64-bit values written as registers		
#1125	Modbus RTU Slave: Bytes swapped when registers written by Master	When registers are written by the Modbus RTU Master, the two bytes of each register will be swapped.	
#1172	Unit State Machine Help lists wrong fixed Datatypes	The Help entry for the State Machine Unit list the Sel and Next* input ports dataType as 32-bit unsigned integer, but is 32-bit signed integer.	
#1189	Update package and log file deleted on error	The update launcher deletes the log file and the update package file in case of an error during installation of the update package. The log file should not be deleted. The update package should not be deleted, if the update was triggered through the com.tom's reset button.	
#1191	Multiple instances of the same TimeSwitch do not work	If a diagram uses multiple instances of the same Time Switch Unit (for example "TestSwitch1") only the first one will trigger accordingly to the predefined schedule, all other Units will always output "0".	Use only one instance of each TimeSwitch in the diagram.
#1215	Portal: No valid point state for points with trigger mode 5 (domain trigger)	If a data point has the domain trigger mode (5) configured on the portal, the WEB-PLC will transmit a zero value (quality invalid, timestamp 1970-01-01 00:00:00) to the portal when the corresponding domain triggers.	
#1389	SNTP client hangs on receive timeout on SC1x8 based com.toms	On SC1x8 processor based com.toms the SNTP client will hang forever - and thus never update the system time - if receiving a reply from an NTP server times out once.	
#1402	IEC 60870-5-104 Server: "Transmission cause false" after Counter interrogation	If the IEC 60870-5-104 Server has the types "15 Integrated Totals" and "37 Integrated totals with time tag" and receives a "101 = Counter interrogation command" with "Qualifier of interrogation" = 5 (General counter interrogation), it answers with Cause of transmission 0. Additionally the type 37 is transmitted as type 15.	

command

Component: WEB-PLC - Run Time System (18 matches)

Ticket	Summary	Description	Workaround
#830	Deactivate SNTTP client in IEC 61850 driver	The IEC 61850 driver should not implement another SNTTP client.	
#913	Messages: I/O or variable value may be cut at end of message	When messages become too long, they will be cut. However they should not be cut in a way that I/O or variable values are included partly. This could lead to confusion. If the message becomes too long, it must be cut before any value that does not fit.	
#1046	IEC 61850: Client only reads one item from server on each polling cycle	In the client role enabling the "Poll data from servers" check box should read all readable items on connected servers but only one item is read on each cycle.	
#1054	Unknown quality and timestamp 0 on portal for CODESYS network variable inputs	When input values from the CODESYS network variable driver are transmitted to the portal, the quality will be unknown and the timestamp will be zero if the corresponding CODESYS network variables list is not transmitted with checksum.	
#1059	IEC 60870-5-104 server driver: Wrong assignment of portal qualities	The IEC 60870-5-104 server driver does not update the quality of the data points for its input values on the portal. Instead it writes the corresponding qualities to the points for its output value.	
#1069	Portal connection with no configured Variables trigger an Out of Memory Error.	When all configured Variables are removed and the device has a portal connection, an Out of Memory Error occurs.	Perform a system restore by holding the reset button while the device is booting.
#1076	CODESYS network	The CODESYS network variable DINT dataType is defined as unsigned long, but the driver handles it incorrectly as a signed long	

	network variable handles DINT dataType as signed long.	driver handles it incorrectly as an signed long.	
#1083	Modbus Server/Slave input qualities and timestamps invalid	Modbus Server/Slave input values that are written by the Client/Master as Coils may have invalid qualities and timestamps.	
#1102	Modbus: 64-bit floating point values may be set to 0	When transmitting 64-bit floating point values as registers through the Modbus Client/Master or Server/Slave driver, the values might be set to 0.	
#1169	Signal limiter unit outputs a 32-bit unsigned integer when all inputs are 8-bit unsigned integer.	The output port of the signal limiter unit has data type 32-bit unsigned integer if all input ports have a data type of 8-bit unsigned integer. The unit should adapt its port accordingly to its inputs.	
#1183	Teridian E-Meter driver: Power Factor interpreted as unsigned	The Teridian E Meter driver interprets the Power Factor values (L1, L2, L3 and sum) as unsigned values although they are in fact signed values.	
#1202	Retentive variables not invalidated on configuration change	When the configuration of the variables changes, the retained values of retentive variables are not invalidated. All retentive variables should be set to zero.	
#1208	Modbus Client: Qualities and timestamps shifted if not connected to server	If the Modbus TCP client loses the connection to a certain server, the input qualities and timestamps of subsequent servers are assigned to the values of this server, shifting the qualities and timestamps of all following servers. If there is for example one server with two input values and another one with four input values and the connection to the first server is lost, the qualities and timestamps of the first two values of the second server will be assigned to the values of the first server, the qualities and timestamps of the last two values of the second server will be assigned to the first to values of the second server and the qualities and timestamps of the last two values of the second server will not be updated at all.	
#1239	Modbus Slave does not	The Modbus Slave does not make use of the sharing mechanism of the COM port, leading to errors in other components of the WER-PLC that use the COM port	

	does not reserve the COM port.	leading to errors in other components of the WEB-PLC that use the COM port.	
#1250	Modbus RTU Slave: RS485 mode and RS232 mode without flow control not working	The Modbus Slave driver does not work in RS485 RTU mode and in RS232 mode without flow control.	
#1262	Modbus Slave: Error when accessing single elements of register arrays	If you have defined an array (input or output) of registers which is also represented as an array of 16-bit values in the WEB-PLC, accessing single elements (except the first one) through the Modbus results in wrong data.	
#1289	Digital outputs on com.tom M-BUS cannot switch faster than once every second	The digital outputs of com.tom M-BUS devices (EXT03) cannot switch faster than once every second. If you try to switch them faster than this, they will not switch at all. If you try to switch them only slightly slower they may switch or not.	
#1320	Cannot handle certain old Modbus configurations	The Modbus Master/Client driver cannot handle certain configurations from before version 5.04. It is necessary to convert and start the diagram. Back then the data type of a value could not be configured. The current Modbus driver can only handle these old configurations if the implicit data type of all values is 32-bit signed integer.	

Component: WEB-PLC - Settings Website (27 matches)

Ticket	Summary	Description	Workaround
#422	OpenVPN file upload shows no error when no file has been selected	The OpenVPN certificate file upload dialog shows a success message when no file has been selected for upload.	
#425	Duplicate MAC and IP addresses not checked in DHCP server settings	The DHCP server settings form does not check that no IP or MAC address is used twice.	
#427	Duplicate ports	The NAT settings form does not check that no external port is used twice.	

	not checked in NAT settings		
#510	Gateway only valid for Ethernet (0) interface	The gateway IP address that can be configured through the network settings form is only valid for the Ethernet (0) interface.	
#826	IEC 61850 configuration form may store inconsistent configuration	The configuration form of the IEC 61850 interface may store an inconsistent configuration. If the upload of the SCL file fails, the interface will not show an error message and still store other parts of the configuration. The inconsistent configuration will prevent the IEC 61850 driver to start.	
#905	Messages: Umlauts in message text lead to a 500 server error	Umlauts in message text lead to a 500 server error, after clicking the OK button.	
#911	Login Tab: Validation of form does not show all errors or too many errors	When entering wrong values in the Login Tab, not all errors are marked after clicking OK.	
#928	No progress indication during file upload on SC1x8	On com.toms based on the SC1x8 processor no progress is indicated while uploading files through the local website.	
#1031	Memory leak on SC1x8	The firmware has a memory leak on com.toms based on the SC1x8 processor. Memory will be used up while a password-protected website is open.	
#1032	Upload of update package fails on SC1x8	On com.toms based on the SC1x8 processor, the upload of update packages fails, if the device has never been rebooted.	Reboot the device once
#1033	Problem with website password protection and file upload on SC1x8	On com.toms based on the SC1x8 processor, problems with password protected websites may occur. The password may be considered wrong although it is correct. In combination with the upload of update packages even the password dialog may be suppressed and the upload will just timeout.	Renaming the update package may help.
#1045	IEC61850: Table with process items	When uploading a server SCL file the table with process items may not reflect the selected signals in the SCL file.	

	occasionally out of sync with tree view selection after uploading server SCL file		
#1053	Dialogs have fields marked erroneous initially	When input fields in a dialog are marked red due to illegal input values and the dialog is cancelled, the next time the same dialog will be opened the fields will still be marked red although the illegal values are not present any more.	
#1088	Variables Settings Site does not display all error messages.	While "add" and "clone" buttons do not allow the configuration of more than 64 Variables, if the user tries to add more Variables, an error is generated but no message is displayed.	
#1104	Modbus Client/Master: 64 devices can be configured but only 32 are allowed	The configuration form of the Modbus Client/Master driver allows to configure 64 devices although only 32 are allowed. Storing the configuration will fail.	
#1282	I/O references should be ignored in receive message templates	It is not possible to add I/O references to receive messages templates through the menu. However it is possible to manually write a reference to the template. This reference should be ignored. It should be treated as plain text. Instead the reference is evaluated and inputs and outputs can be directly modified through receive messages.	
#1294	Modbus Master: Check of maximum values on edit value	The check of the maximum allowed values including scalar and array values does not show an error message, when a value is edited and it does not change from input to output or vice versa.	
#1298	Modbus Slave: Do not open Add dialog if maximum elements are reached	If the maximum of normal values or maximum of array values is reached and the button add is clicked, the correct error message is shown, but the dialog is still opened.	
#1300	Modbus Slave: Cannot save RTU settings if TCP settings	Cannot save RTU settings if TCP settings are wrong, although these settings are mutually exclusive.	

	are wrong		
#1308	Modbus: Do not allow duplicate names of values	Modbus Master and Slave allow duplicate names of values. The Modbus Master must not allow duplicate names of values within one device. The Modbus Slave must not allow duplicate names.	
#1313	PROFINET IO Device: Default device address should be 1	For PROFINET IO Device the default device address is 0, although this is not a valid device address. It should be changed to 1.	
#1321	Modbus TCP Server: Fatal error if keep-alive timeout <10 or >32767	If a keep-alive timeout of less than 10 seconds or more than 32767 seconds is configured for the Modbus TCP Server, the device will show a fatal error ("Run Time System: Fatal error: Modbus Slave driver: Could not initialise TCP library (-5, 222)"). A factory reset will be required.	
#1327	Cannot send percentage sign in messages	It is not possible to include a percentage sign in a send message template, because it is interpreted as the start of a reference.	
#1344	IEC 60870-5-104 Server: Edit value does not recalculate sum of array elements	The Edit value dialog does not recalculate sum of array elements. If the maximum is reached by adding values and then one value is edited and the range (array elements) is reduced, it is still not possible to add new values.	
#1347	IEC 60870-5-104 Server/Client: Duplicate names are allowed	IEC 60870-5-104 Server/Client settings website should not allow Duplicate names.	
#1348	Help does not work when other site opened in help window	When the help button is clicked on the WEB-PLC's website, a new window/tab is opened for the online help website. If one of the other websites is opened in this window/tab, the help button will not work anymore.	
#1396	CODESYS Network Variables: Missing comma after the name of	There is a comma missing after the name of the list, if the list has a name. The "Unnamed list" has a comma.	

