Note: Versions that are not referenced were either never delivered to customers or contain only SIPOS-internal add-ons.

Key: PR = PROFITRON/HiMod, EC = ECOTRON

Newest firmware for download (password protected – available on request from product management via seven@sipos.de):
- v3.17 ECOTRON
- v3.17 PROFITRON

Version V3.17/30.01.2025
New features:
- Functionality for new small part turn actuator 2SF7
- automatic end position setting
- Bluetooth Silabs Module integration for Bluetooth low energy
- New SEVEN customer variant: continuous movement in one direction
- PR: Activation of process controller via PIN code available for Inching actuators, Speed parametrization via fieldbus (PROFIBUS/PROFINET)

Enhancements:
- Additional display texts
- Local gearboxes China
- Add "MODE input" function to the SEVEN PROFITRON to switch to alternative remote control
- Auto switchover control source
- Torque limitation with reduction flanges
- Memory optimizations SPIFI/IROM

Bugfixes:
- Fault 90 Hardware error disappears after soft reset
- Torque curve can be started when motor lock is active
- Data logger: Event "End positions not OK" is not logged
- Data logger: Event memory analog input, current is not stored in mA
- "End position valid" check refers to incorrect configuration
- actuator does not stop with long positioning times
- COM-SIPOS update no longer works
- niP/MWG-SD errors are not intercepted in end position setting new/after
- Cloning of a SIPOS 5 Flash is interrupted

Version V3.16b/30.01.2024
New features:
- PR: MWG-SD support with "extended" stroke (944 rpm for rotary actuators) and consideration of the direction of rotation of the signaling shaft (rotates inversely with gear size 2SA7.5/6).

Version V3.16a/01.12.2023
New features:
- PR: PROFINET
- PR: Support for Android APP

Enhancements:
- PR: Filter setting event memory and login failures are saved
- PR: Reset to factory settings only as administrator
- FW-Downgrade restricted
- Login-Option not saved in ste-file
- Chinese texts

Bugfixes:
- Cloning of a SIPOS 5 Flash is interrupted
- Error when reading an actuator file from USB stick fixed
- Data logger:
    - Negative values are displayed incorrectly
    - Analog values/setpoint are displayed incorrectly

Version V3.15/ 19.12.2022 only PR
New features:

Enhancements:
- PR: Flash device from Macronix is supported
- PR: Data logger
- PR: Synchronisation of actuators, behaviour in case of slave blockade
- Switch-over behaviour with redundant PROFIBUS (bumpless)

Bugfixes:

Version v3.14/ 2022-01-19
New features:
- PR: Data logger: Logging of events with time stamp
- PR: Data logger: Logging of logins and logouts with time stamp
- PR: User administration: Extension by 2 login variants
    - User levels with strong password (up to 20 alphanumeric characters)
    - Personalised login with user accounts
- PR: Readjustment of analogue output AO1
- PR: An additional gear is taken into account for the torque display in the standby display

Enhancements:
- PR: Additional messages for binary outputs (handwheel active, emergency behaviour active)
- PR: Deactivated USB port is shown in the status display
- PR: In case of "enable motor operation" via mode input, "motor lock active" is shown in status display
- PR: Switching control mode

Bugfixes:
- PR: Actuator does not move out of end position at speed curve
  Affected were FW versions 3.10 to 3.13

- PR: For actuators with limited speed range and external speed setpoint, no control possible
  Affected were FW versions 3.08 to 3.13
- No sum fault message and actuator continues to move in the event of a line break to the position encoder (niP).
  Affected were FW versions 3.12 to 3.13

Version v3.13/ 2020-08-18

New features:
- PR: With new control mode "time control" up to 10 switching points can be set for direction of operation OPEN/CLOSE
- PR: Following the Bluetooth interface, now USB interface also can be switched off
- PR: Binary input „Emergency" can be used for switchover to 2nd remote control mode (instead of STOP-input)
- PR: more additional gears in selection (multiturn gears GP)

Enhancements:
- MODBUS: Parameters that ill cause a reset of end positions when changed (for example direction of rotation) were set to read-only
- Overflow-handling of diagnosis data
- MODBUS: When the control source is changed, former commands are deleted

Bugfixes:
- ./.

Version v3.12/ 2020-01-08

New features:
- PR: Parameter changes are stored with time stamp. They can be exported to USB flash drive evaluated on the PC
- PR: Error messages are stored with time stamp. They can be exported to USB flash drive evaluated on the PC
- PR: Parameter reset to default is possible via menu
- PR: "Self-retaining" in local operation can be switched off (Parameter in system configuration)
- MODBUS: Input registers are mirrored to holding register area (starting at offset 2000)
- PR: More additional gearboxes (including linear units 2SL8 for HiMod) are selectable
- PR: Torque curves can be started within and uploaded to COM-SIPOS

Enhancements:
- ./.

Bugfixes:
- ./.

Version v3.11/ 2018-11-06

New features:
- PR: Quarterturn gearboxes GQB added for parameter "additional gear"
- EC: Enhancement of local parameterization: mode for remote control (permanent contact / pulse contact / fieldbus – permanent contact) can now be set non-intrusive via DriveController

Enhancements:
- Enhancements for MODBUS redundant (switchover primary/backup; register gaps closed; reset commands under certain conditions etc.)

Bugfixes:
- ./.

Version v3.10/ 2018-05-03

New features:
- Selection "fail to last command" for communication timeout at fieldbus interfaces added
- PR: further formats for USB flash drive are supported
- PR: local operation and parameterization can be prohibited using the "mode" input
- PR: when a torque measurement flange is attached, online-torque is shown during local operation
- PR: new output signals "end of travel OPEN" and "end of travel CLOSE" are available (in addition to "endposition OPEN/CLOSE", "intermediate contact OP/CL" and "Torque OP/CL reached")
- Some detail additions to MODBUS protocol

Enhancements:
- PR: simplified change in standby-screen (adjustable delay-time, screen can be activated directly after selection)

Bugfixes:
- ./.

Version v3.09/ 2018-01-23

New features:
- Support of new part-turn actuator 2SQ7
- PR : Support of Remote Control Unit (RCU)
- Some additions to MODBUS protocol

Enhancements:
- ./.

Bugfixes:
- Corrections in HART protocol
- With some actuator types in some points of operation "runtime error" has been signaled erroneously; this has been fixed

Version v3.08/ 2017-09-21

New features:
- PR: continuous speed setting within the range instead of fixed steps (for ex. 5 rpm / 7 rpm / … / 40 rpm)
- PR: motor control can be prohibited using the "mode" input

Enhancements:
- Revision of runtime calculation

Bugfixes:
- PR: corrections of some texts in languages Danish and Czech
- PR: fixing an error message with process controller

Version v3.07/ 2017-07-17

New features:
- PR: Rotation of display content in steps of 90°
- PR: Parameter data can be written using USB flash drive
- PR: Addition of language "Dutch"
- PR: USB flash drive menu in explorer representation

- PR: Bluetooth-data (MAC-address, FCC-ID) are displayed

Enhancements:
- Blockage detection improvements

Bugfixes:
- EC: Correction of position display for long run times
- Correction of fine-adjustment of end positions with 2SG7
- Corrections with HART commands 128/161/162

Version v3.05c ECOTRON/ 2017-06-06
New features:
- ./.

Enhancements:
- ./.

Bugfixes:
- EC: Correction for firmware update
- EC: Minor adjustments for detection of 'blocked in move' and for position sensing

Version v3.05b/ 2016-12-22
New features:
- PR: Addition of language "Greek"

Enhancements:
- Motor data
- PR : Status display Bluetooth symbol

Bugfixes:
- PR: some menu text corrections

Version v3.05/ 2016-11-09
New features:
- PR: Parameterization of additional gears (GS, LE, GK, GST, …) and conversion of display data accordingly
- PR: Record and store torque curves
- PR: Setting of monitoring thresholds for 4..20 mA analog inputs
- PR: New function interlock local/remote via binary input
- PR: some new parameters can be set via display (amongst others MODBUS)

Enhancements:
- PR: automatic log off of user level after 10 min without local operation
- MODBUS/PROFIBUS address setting is effective without reset
- PR: optimization of behavior after open-circuit detection of analog input

Bugfixes:
- ./.

Version v3.04d/ 2016-10-06
New features:
- New niP (non-intrusive position sensing) version is supported

Enhancements:
- PR: for Bluetooth communication only one COM-port is used

Bugfixes:
- ./.

Version v3.04c/ 2016-08-30
New features:
- ./.

Enhancements:
- Improved behavior for "power on" with USB-connection already established

Bugfixes:
- PR: bug fix for Bluetooth connection

Version v3.04b/ 2016-08-12 PR
New features:
- ./.

Enhancements:
- ./.

Bugfixes:
- PR: Bug fix for (position) analog output

Version v3.04a/ 2016-07-14 PR
New features:
- ./.

Enhancements:
- PR : Optimized menu for setting of real-time clock
- PR: Improved handling of USB-flash-disk operations

Bugfixes:
- Diverse minor bugs removed

Version v3.04/ 2016-06-20 PR 2016-05-10 EC
New features:
- Firmware load only possible with encoded file (file extension .sev)
- Communication actuator – COM-SIPOS is encrypted (COM-SIPOS V3.04 or higher is mandatory)
- PROFIBUS and MODBUS are supported (one and two channels)
- PR: Direct connection of torque measurement flange (DMF) to AI is supported
- PR: USB flash disc can be used for firmware load or download of parameters disc
- PR: Customer variant Sydney Water is modified
- PR: Speed in endposition range can be set more freely
- PR: "Block of feedback signals" in combination with 'close tightly' is configurable
- EC: niP is supported

Enhancements:
- Re-adjustment of a single endposition is possible

Bugfixes:
- ./.

Version v3.03b/ 2016-04-28 PR
New features:
- ./.

Enhancements:
- ./.

Bugfixes:
- Small bugfixes

Version v3.03a/ 2016-03-30 PR
New features:
- PR: Support of analog option board (AI2 / AO2)
- PR: Support of software functions process controller and external analog speed setting
- Release of new modulating actuator types (classes C/D) for speeds up to 80 rpm (2SA751.-.D..., 2SA781.-.D..., 2SA753.-.D..., 2SA783.-.D...)
- PR: Additional menu languages Chinese, Italian, Portuguese, Russian, Spanish
- PR: Display content can be turned by 180° (half turn) via parameter
- PR: Bluetooth can be turned off via parameter
- PR: New menu items software functions, safety, monitoring, diagnosis supported

Enhancements:
- Detection TL or "blocked in move" using new sensor
- PR: Country code for language in accordance with ISO 639-1

Bugfixes:
- ./.

Version v3.01a/ 2016-01-26 PR
New features:
- ./.

Enhancements:
- ./.

Bugfixes:
- PR: small bugfixes

Version v3.02/ 2015-11-10 EC
New features:
- EC: First approved firmware release

Enhancements:
- ./.

Bugfixes:
- ./.

Version v3.01/ 2015-08-10 PR
New features:
- Series 2SG7 supported
- Firmware update using COM-SIPOS supported

Enhancements:
- PR: Optimization USB behavior

Bugfixes:
- ./.

Version v3.00/ 2015-07-02 PR
New features:
- PR: First approved firmware release

Enhancements:
- ./.

Bugfixes:
- ./.