Quick Start-up Guide for RLON-01 LonWorks Adapter and ACS550/ACS800

Supported operation mode:
- Lonworks = GENERIC
  The operation mode is set with parameter 98.07 for the ACS800. The ACS550 detects the operation mode automatically.

Start-up sequence and parameter settings:

- Mount the module according to the instructions in the manual.
- Connect the fieldbus connector according to the instructions in the user's manual.
- Activate the fieldbus module with parameter 98.02.
- Set the communication profile to Generic in the ACS800 with parameter 98.07.
- Copy the RLON-01 resource files and .xi files to the appropriate folders.

Note: If motor nameplate ratings are already set in parameter group 99 of the ACS800 a refresh command must be initiated with parameter 51.27 before commissioning the RLON-01 otherwise the RLON-01 will overwrite the nominal frequency and speed setting with the default values (50Hz and 1 rpm) stored in the RLON module.
When commissioning e.g. an ACx550 node, use one of the .xif files in the ACx550 folder ...

... or upload the .xif file from the device.
There are 4 different .xif files: .xif versions v.2.0, v.3.1, v.4.1 and v.4.4. Choose the .xif file version supported by your LonWorks tool. All the .xif file versions are made for the same product ID, so with most LON tools only one .xif version can be installed at a time.

Note: If a .xif file is changed, the old file must be removed from the Device Templates.
Device state = Online
Source of Configuration Property Values = Current values in device
Then press the service pin located on the RLO-01 when the program requires it.
Drive parameter settings example to be able to start/stop, give reference and to reset a fault:

- 10.01 EXT1 STRT/STP/DIR
  - COMM.CW
    - COMM in ACx550
- 11.03 EXT REF1 SELECT
  - COMM.REF
    - COMM in ACx550
- 16.01 RUN ENABLE
  - COMM.CW
    - COMM in ACx550
- 16.04 FAULT RESET SEL
  - COMM.CW
    - COMM in ACx550
- 98.02 COMM. MODULE LINK
  - FIELDBUS
    - COMM PROT SEL and EXT FBA in ACS550
- 98.07 COMM PROFILE
  - GENERIC
    - (ACS800 only)
- 51.01 MODULE TYPE
  - LONWORKS
    - (Read Only)

Open the browser of the commissioned device:

The nviDrvSpdScl requires a speed scaling value e.g. 100 = 100%.
The nviDrvSpeedStpt needs to be given a reference scaling value e.g. 100.0 and the start command (100.0 1).

A fault reset can be given with nviResetFault which is executed on a rising edge (0.0 0 → 100.0 1).