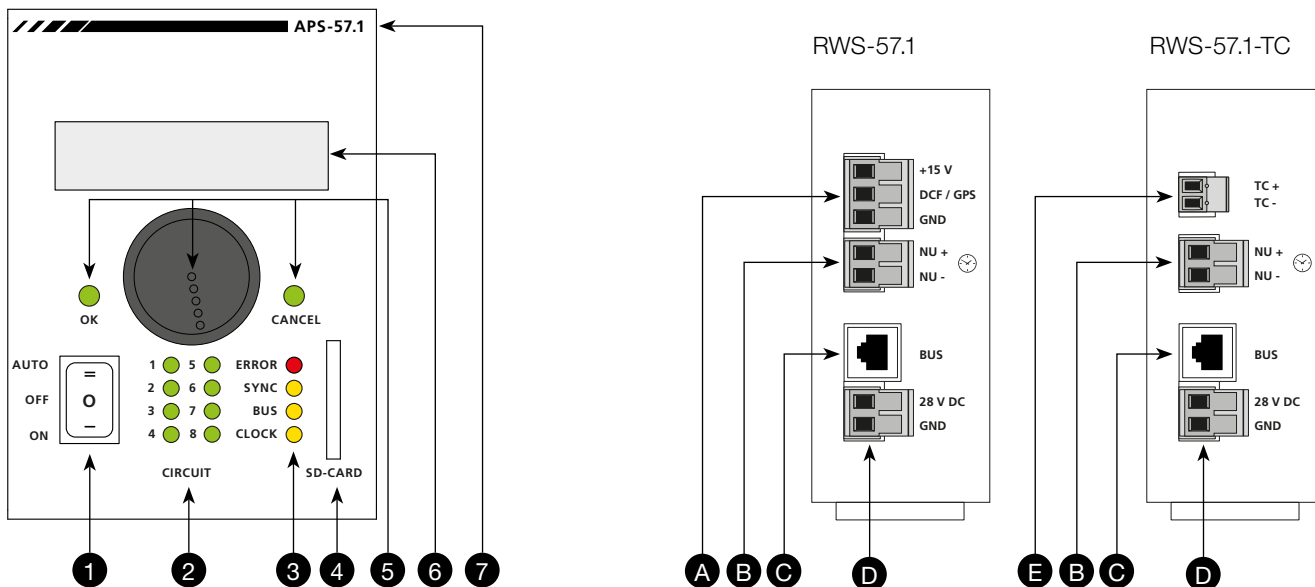


APS-57.1

Master clock with 8 circuits



Front view

- 1 Switch ON/OFF/AUTO
- 2 LED Indicator for circuits
- 3 LED Status display
- 4 SD Card slot
- 5 Controls for menu navigation
- 6 LCD Display for mode indication
- 7 Model code

Rear view

- A Connector block for DCF/GPS
- B Connector block for slave clocks
- C RJ11 bus for future expansions
- D Connector block for external power infeed
- E Connector block for synchronisation

Description

The time switch makes available eight time-controlled I²C circuits which are used as binary contacts in the APS-APROSYST system. The switching times can be configured conveniently with a PC program and are saved to the SD card. In addition, the module is able to control slave clocks up to 1 A with TC or pulse method. Featuring additional, programmable remote switch-on.

Configuration of the switching times

Via PC graphic user interface (GUI). Software GM-HU stored on SD card

Technical data

Connection diagram for connector block (A)

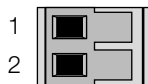
- 1) +15 V
- 2) DCF/GPS
- 3) Ground



Connection DCF: 2 and 3
 Connection GPS: 1, 2 and 3

Connection diagram for connector block (B)

- 1) Output slave clock +
- 2) Output slave clock -



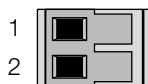
J11 bus for future expansions (C)

RJ11 Bus



Connection diagram for connector block (D)

- 1) 28 VDC
- 2) GND



Connection diagram for connector block (E)

- 1) Input slave clock +
- 2) Input slave clock -



DIP Switch

- 1) Switch ON/OFF/AUTO, active or not active
- 2) Addressing for future expansions
- 3) Addressing for future expansions
- 4) Addressing for future expansions



Switch ON/OFF/AUTO

AUTO Time-controlled master switch
 OFF OFF, accumulator OFF (deep discharge protection)
 ON ON

LED Status display

ERROR Error
 SYNC DCF/GPS Synchronisation
 SOUND Sound File played
 CLOCK Impulse slave clock line

General information

Accuracy	Quartz 20 ppm/DCF < 1 ppm
Soundfile	64 kbps fix/44.1 kHz/mono
Pulse output	1 A (The output features electronic short-circuit protection which switches back on again automatically)
Slave clock mode	
- Minute pulse	Selectable
- Time Code (TC)	Selectable
- Time Code Pol (TCPOL)	Selectable
Power reserve	Pulse memory with fast pulses after power failure
Time memory	10 years (Lithium battery)
Signal points	500
Digital outputs 1-8	For APS System
Weight	600 g
Ambient temperature	-5°C to 40°C
Relative humidity	Max. 85 %, no condensation
Connection voltage	28-30 VDC / 2 A for master clock operation
SD Card	FAT16/max. 4 GB