ALGE TIMING

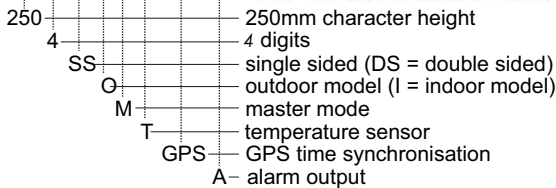## TIME-TEMPERATURE DISPLAY BOARD
D-SAT

ALGE TIMING

The D-SAT is a multi-functional electronic clock that provides a precise and elegant time display, using bright LED characters with an unrivalled flexibility of operation for the most demanding time applications. Indoor and outdoor models are available from 57 mm up to 1500 mm digit height.

- Models with 57,80 mm digit height for indoor use only.
- 80, 150, 250, 300, 450, 600, 800, 1000 or 1500 mm digit height for outdoor use.
- 4 or 6 digits (other configuration possible, e.g. with separate temperature).
- Standard digit colour: red - Option: yellow, green, blue or white.
- Indoor or outdoor models (outdoor models are readable in direct sunlight).
- Displays time, date and (optionally) temperature or relative humidity.
- 2 alarm programs, each program with up to 50 alarm times, relay contact 1A (optional). Alternatively displays time, date and temperature with user selectable periods.
- 12 or 24 hour time display format
- Time adjustment: push button or external synchronization: DCF, GPS, Ethernet.
- High precision time by internal real time clock and therefore no need to adjust the time after a power failure. Stand-alone operation with a typical accuracy of ±4 minutes/year at 25°C.
- Automatic brightness control for outdoor mounting (optional).
- Seasonal time correction (summer time - winter time).
- More clocks can be connected in a system. One clock is master and others are slaves.
- Average LED life time of 100,000 hours. LED displays are very reliable.
- Plastified black aluminium case (other colours are possible) for all weather conditions (no oxidation).
- Surface wall mounting (single-sided models) and ceiling suspensions (double-sided models), other mounting on demand.
- Power supply for 100 to 240 VAC - 50/60 Hz

Example of order code:

D-SAT250-4-SS-O-M-T-GPS-A

- 250 — 250mm character height
- 4 — 4 digits
- SS — single sided (DS = double sided)
- O — outdoor model (I = indoor model)
- M — master mode
- T — temperature sensor
- GPS — GPS time synchronisation
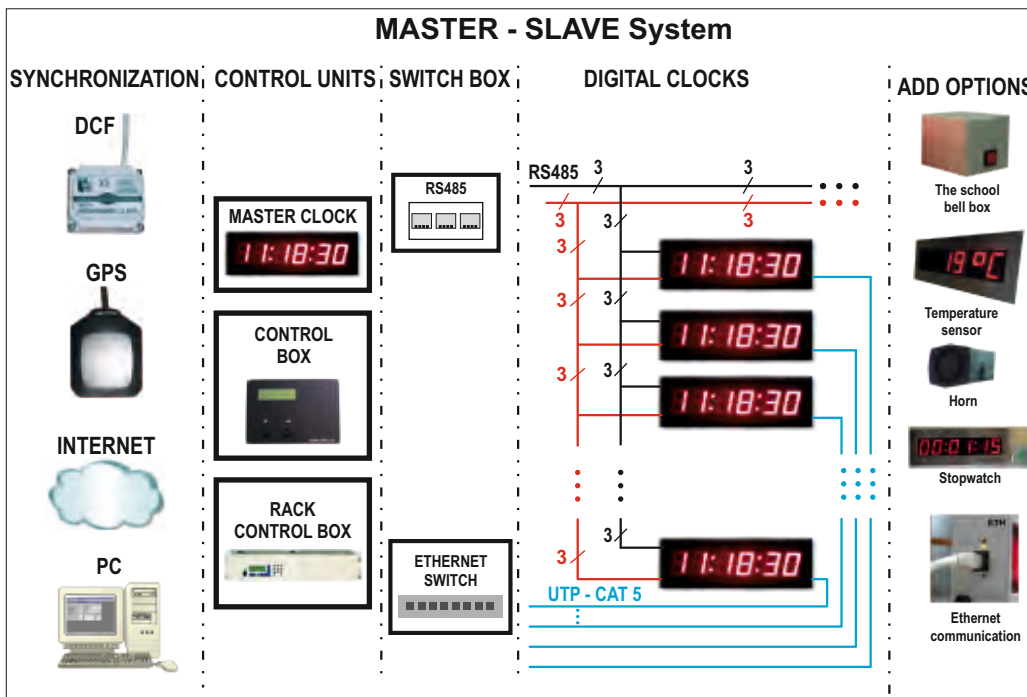- A — alarm output

Options:

- GPS - GPS time synchronization
- DCF - Radio time synchronisation (usable in middle Europe)
- ETH - Ethernet LAN time synchronization
- A - Alarm output (up to 64 alarms programmable)
- T - Temperature sensor
- RH - Relative humidity sensor
- LS - Light sensor to control the LED-brightness

Model	Digit Height (mm)	Visibility (m)	Dimensions with 4 Digits (L x H) in mm	Dimensions with 6 Digits (L x H) in mm	Thicknes in mm (SS/DS)
D-SAT57	57	28	400 x 130	500 x 130	60 / 110
D-SAT80	80	40	450 x 150	600 x 150	60 / 110
D-SAT100	100	50	600 x 180	800 x 180	80 / 110
D-SAT150	150	75	730 x 250	956 x 250	60 / 110
D-SAT250	250	125	1100 x 350	1493 x 350	60 / 110
D-SAT300	300	150	1300 x 400	1850 x 400	60 / 110
D-SAT450	450	225	1900 x 600	2490 x 600	80 / 110
D-SAT600	600	300	2490 x 800	3400 x 800	70 / 110
D-SAT800	800	400	3300 x 1000	4800 x 1000	70 / 110
D-SAT1000	1000	500	3900 x 1400	5700 x 1400	70 / 110
D-SAT1500	1500	750	5800 x 2000	8500 x 2000	70 / 110
SS …Single Sided DS … Double Sided					

MASTER - SLAVE System

SYNCHRONIZATION — DCF, GPS, INTERNET, PC

CONTROL UNITS — MASTER CLOCK 11:18:30, CONTROL BOX, RACK CONTROL BOX

SWITCH BOX — RS485, ETHERNET SWITCH

DIGITAL CLOCKS — RS485 3, 3, 11:18:30, 11:18:30, 11:18:30, 11:18:30, UTP - CAT 5

ADD OPTIONS — The school bell box, Temperature sensor 19 °C, Horn, Stopwatch, Ethernet communication

Clocks can be connected in one system by RS485 or Ethernet communication. ,The system needs a MASTER CLOCK that is synchronized by a real time receiver (GPS, DCF, Internet or PC). The master clock can be ad display board, control box, or a rack contol box. All other clocks (display boards) in the system are synchronized by the master clock.

The digital clocks system for indoor use are clocks with digits height 57, 80, 100 and 150 mm. It can combine digital clocks for inside and outside use.