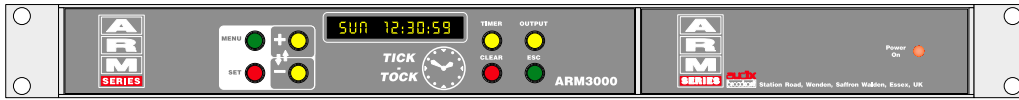


(TICK-TOCK) MASTER CLOCK

ARM 33302
 33303
 33340



(TICK-TOCK) MASTER CLOCK
 Changeover Standby System
 PIPS Generator

The TICK-TOCK Master Clock is contained within a standard 1U rack mount unit connected to an external GPS receiver head, which may be installed up to 100 metres away. The highly accurate reference timing data incorporated within the transmissions from the GPS satellites is received and decoded by the TICK-TOCK unit.

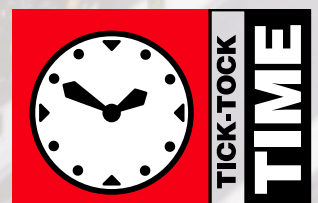
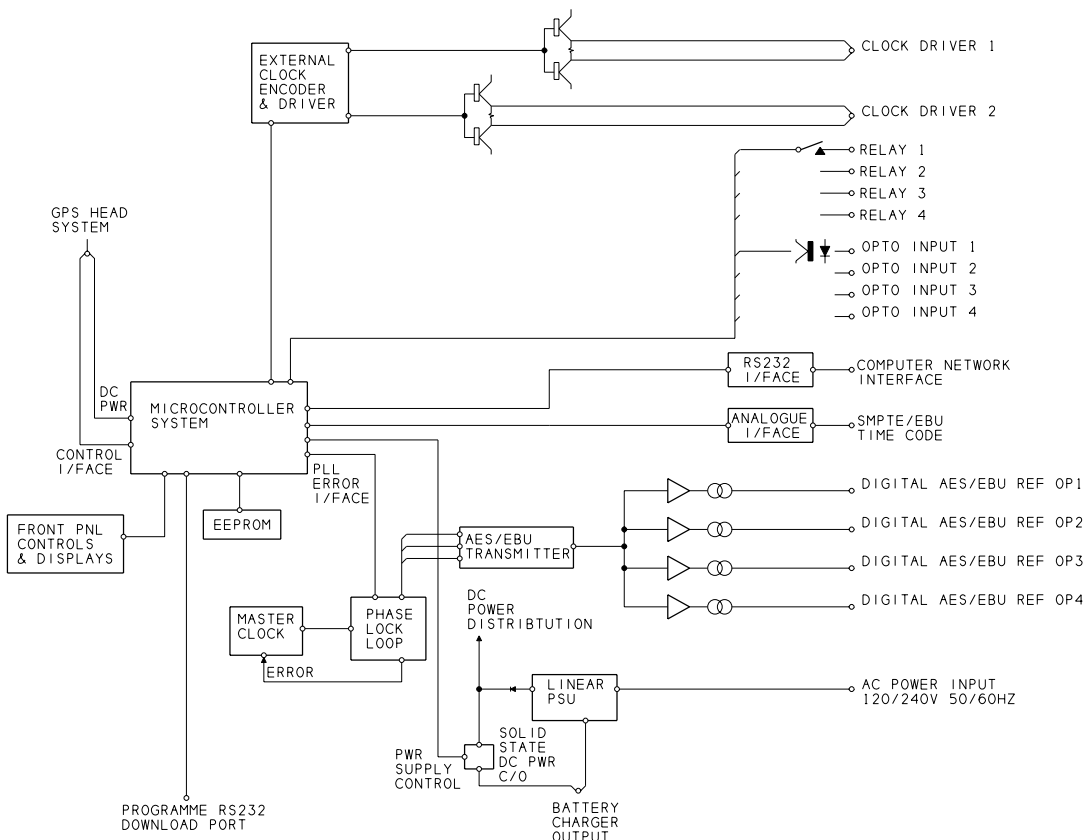
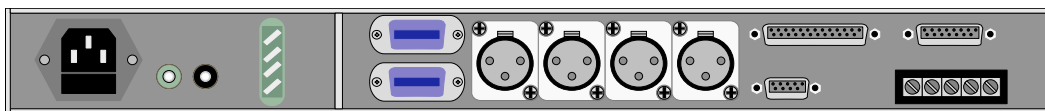
It is then re-coded and programmed to the customer's local time in a format employed by standard radio clocks. This re-coded data is then distributed as a

phantom signal on a simple screened two-core DC cable linking the clocks throughout the building.

The clocks are powered from the same cable and decode the data signal, automatically setting their display, hands or digits to read the correct time. They will then remain synchronised to the Master Clock.

The TICK-TOCK Master Clock system is a highly cost-effective, elegant solution for any installation requiring numerous synchronised clocks. Typical usage would be for radio and television broadcasting, hospitals, airports, railway stations, banks and schools.

- Global Positioning System time reference
- Multiple programmable timer outputs
- Clocks self synchronising and low maintenance
- Two independent clock drive outputs
- Integral Battery backup
- External GPI interfaces
- Analogue and digital clocks with various styles
- Simple & low cost installation



TICK-TOCK has both programmable GMT time offset facilities and automatic Daylight Saving - Summer/Winter time shifts allowing systems to be used anywhere in the world.

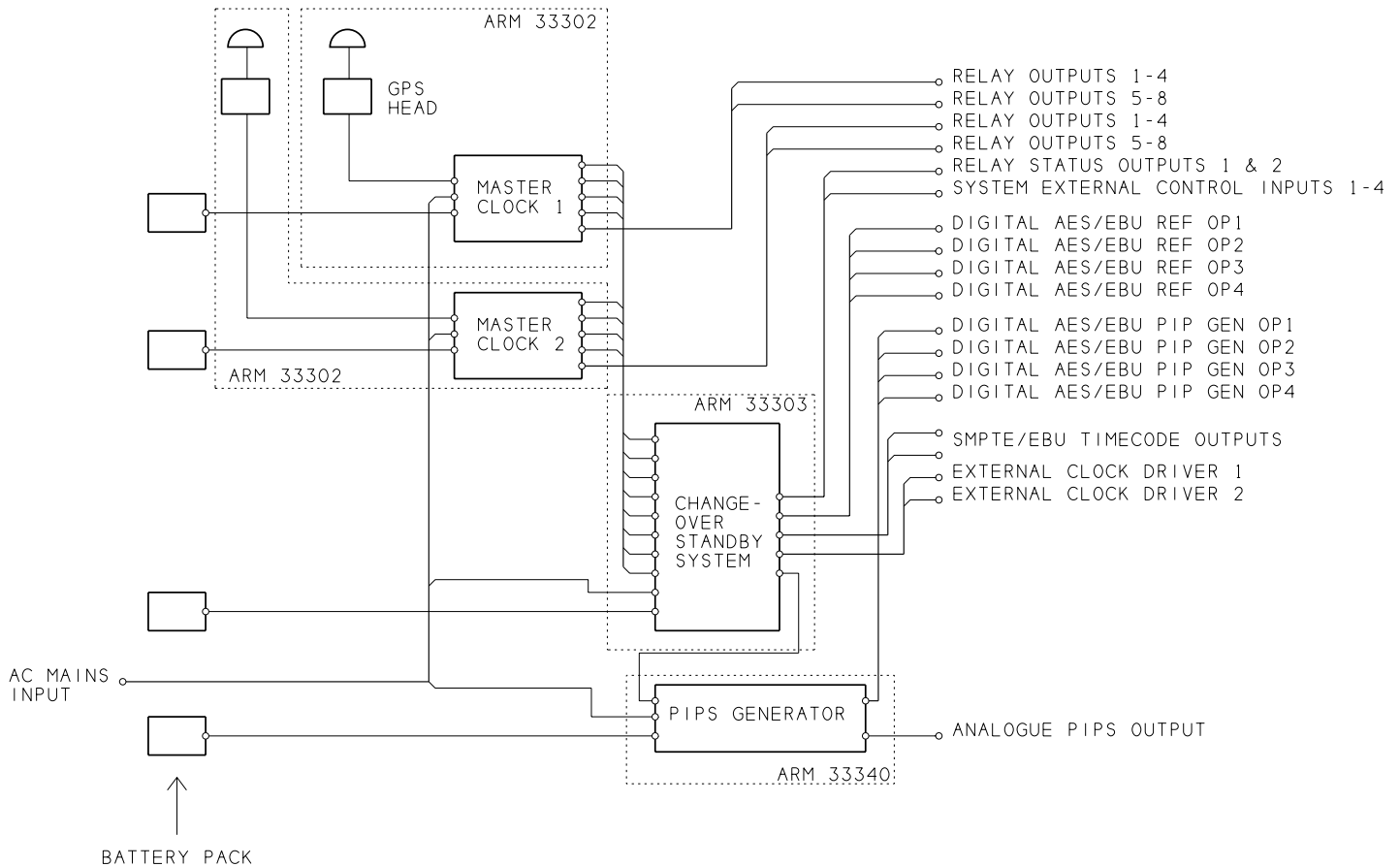
TICK-TOCK may be supplied with a PIPS generator providing both analogue and digital audio formats. The audio output format may be programmed for pip quantity and spacing using our EASYROUTE software suite.

TICK-TOCK has the capability of interfacing with external systems. Two formats are available as standard - parallel GPI contacts where there are 6 independent 2 way circuits which can be configured using EASYROUTE software, and a computer RS485 serial format giving time information every minute.

TICK-TOCK may also be used as a master clock in digital audio systems. This will allow systems to be synchronised around the world through our ATM network allowing digital linear audio to be transferred in real time.

TICK-TOCK includes battery back up capacity which is calculated from the system size and the length of time it has to operate in standby mode in the event of AC mains power failure. The basic master unit automatically sustains its battery at maximum capacity.

TICK-TOCK may be supplied with a 100% time hot standby system for critical applications - the diagram shows a typical configuration



A typical large system with all facilities

SPECIFICATION: TICK-TOCK MASTER UNIT

Size 19 inch rack mounted unit, 450mm deep
 Mains Operating Voltage 110-120/220-240 50/60Hz AC
 Power Consumption Less than 200W
 Time Reference World-wide GPS
 Time Accuracy Better than 1/10th second

WARRANTY
 All equipment is guaranteed for a period of twelve months against faulty workmanship and materials. All repairs are to be carried out at our works at Saffron Walden, where units must be forwarded, carriage paid. We reserve the right to exchange or replace units as necessary.

DEVELOPMENT
 Audix Broadcast policy is one of continuous improvement. We reserve the right to change specifications without notice. Typical figures are based on normal operating conditions. For critical applications please confirm current specifications with our sales department.