

E A Combs Limited

Master Clock M165A



The M165A master clock is intended to control medium to large hard wired clock systems of up to 120 clocks by power and data transmission using the DCF time and date code. The system can be extended by means of additional power boxes that are easily added. The unit is supplied complete with a GPS time code receiver for 100% timekeeping accuracy and automatic time changes. It can also be used for operating up to 120 x 1 minute polarised impulse systems. These figures are based on both lines being used equally to balance output requirements.

The DCF coded output line (known as the VAPulse) is a 2 wire transmission system for maintenance free self setting slave clocks. It sends both power and data with a self correcting code along a low voltage cable. The major advantages of the VAPulse system are:

1. simple to use operation without any programming of the master clock;
2. clocks set to the correct time within about 3 minutes of receiving the coded signal;
3. additional clocks can be added to a system without having to reset all existing clocks.

Specification

- IP 65 rated plastic case, 161x166x93mm, for both indoor and outdoor locations
- 4 line LCD display showing time, date and signal details
- 230 volt 50Hz AC power
- GPS time code receiver/decoder with a standard 5 metre length cable
- 2 output lines that can be extended by means of additional power boxes
- VAPulse output code for both power and DCF coded data
- 1 minute impulse output line option
- Bell ringing option available

Please note that we recommend a single twisted pair overall shielded cable for connection between the master clock and the VAPulse clocks, as RS Components reference 823-099. For minute impulse clocks, 1 sq.mm pair cable is the maximum required for the longest of cable runs.