

# **» DCF1000**

### AN ECONOMICAL TIME SOURCE FOR YOUR TIME SERVER





## **KEY BENEFITS**

Synchronise your time server to the DCF77 radio time signal

Indoor or outdoor installation

Simple to install surface mounting enclosure

A low-cost alternative to GPS

The DCF1000 is an economical radio time code receiver, designed to operate as a low-cost or back-up timing reference for your time server. The radio receiver may be mounted externally or internally, and can be used in applications where GPS signals are not available.

#### **DCF77 RADIO TIME SIGNAL**

DCF77 is longwave radio time signal broadcast from Mainflingen near Frankfurt, Germany. The signal is broadcast at 77.5 kHz and can be received across large parts of Europe.

#### SIMPLE INSTALLATION

Installing the DCF1000 is simple. The enclosure is suitable for internal or external installation and is available with a choice of cable lengths.

The cable is supplied pre-terminated for quick and easy connection to your time server.

**Model Variations:** 

**DCF1000-05:** DCF1000 Time Receiver supplied with

5m (15ft) cable

DCF1000-15: DCF1000 Time Receiver supplied with

15m (50ft) cable

DCF1000-50: DCF1000 Time Receiver supplied with

50m (150ft) cable

**Typical Performance Specifications:** 

PPS accuracy: 40 msec

**I/O Connections:** 

I/O connection: Single 1000 Series communication port

**Mechanical & Electrical Specifications:** 

**Dimensions:** 202 x 80 x 55 mm (7.95" x 3.15" x 2.17")

(including removable wall brackets,

excluding cable grommet)

Weight: 0.5 kg (excluding cable)

**Enclosure:** IP66 / NEMA 4X rated, UV stabilised

polycarbonate enclosure. Light grey

body and clear cover

Cable: Two pair plus drain 7x32 (24 AWG)

stranded cable with 100% foil shield and semi-rigid, sunlight resistant, Polyvinyl

Chloride (PVC) jacket

**Environmental Specifications:** 

Operating temperature: -20 to +50 °C

**Relative humidity:** 0% - 95%, noncondensing

**Warranty & Support:** 

Warranty: 5 years

**Support:** Free-of-charge lifetime technical support

**Standards compliance:** 

Electrical Safety:BS EN 60950-1:2006Radio Disturbance:BS EN 55022:2006Immunity Characteristics:BS EN 55024:2003RoHS:RoHS-Compliant