

LF Receiver Module

MSF / DCF77 / WWVB

For use with our M210 and M211 Modular Timing Systems. The LF Receiver module receives the signal from a corresponding LF Antenna, decodes the time information and uses it to accurately synchronise the timing system to the broadcast signal.



Key Benefits

The LF Receiver Module is fitted directly into the M210 or M211 Timing System. The LF Receiver Module receives and decodes the relevant transmission and uses it to discipline the oscillator within the timing system in order to accurately synchronise to the broadcast signal.

Input Options

Our Timing Systems have been designed to accommodate different national date and time transmissions. As each transmission uses its own unique format, an LF Receiver Module dedicated to the appropriate transmitter is required:

- MSF (UK)
- DCF-77 (Germany)
- WWVB (USA)

Please state preferences when ordering. Should you have a special receiver option requirement please contact us to discuss your application in more detail.

LF Receiver Module Specifications

Module Connections

LF Time Broadcast Signal from Antenna: 50Ω BNC Socket
 Alarm Relays (Power fail, LF Fail, System Fail): 15-way D Type Socket

LF Performance

Time Accuracy (during LF signal availability): ± 1 millisecond from UTC (Assuming adequate LF reception)
 Time accuracy (during LF signal unavailability): Timing System specification applies. Precision Oscillators are available for improved “free run” performance. Please consult Sales Office for details.

LF Data Display Facilities

The following information can be viewed on the front panel display of the Timing System through use of the menu facilities:

- UTC Time and Date (Hours, Minutes, Seconds, Day, Month, Year)
- Local Time and Date (Hours, Minutes, Seconds, Day, Month, Year)

LF Data Output Facilities

The following information can be output through the data interfaces for the Timing System:

- UTC Time and Date (Hours, Minutes, Seconds, Day, Month, Year)
- Local Time and Date (Hours, Minutes, Seconds, Day, Month, Year)
- Status

Environment

(Operation & Storage)

Temperature : 0°C to +40°C.

Humidity: Up to 95% RH (non condensing)

EMC: CE compliant

Ordering Information

Please quote relevant part number when ordering.

Broadcast Signal	Part No.
MSF/WWVB	0210KJ000G
DCF77	0210KJ000J

As we are always seeking to improve our products, the information in this document only provides general indications of product capability, suitability and performance, none of which shall form any part of any contract.