

Meinberg Radio Clocks

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IMS-REL: Error Relais Module

This product is only compatible with Meinberg's line of modular **IMS LANTIME** systems.

Visit the [1][IMS Information Page](#) to learn more.

The REL1000 error relay module can be switched by various operating states (e.g.: Clock Not Sync).

Key Features

- Monitoring the synchronization status of the used receivers
- Optional: monitoring of PPS, 10 MHz, events (notifications)
- Three-year warranty

Description

If the internal hardware clock is running synchronous to the source, the relay is switched to NO (Normally Open) mode. In case of an error, the relay switches to NC (Normally Closed) mode.

Depending on the hardware configuration of the IMS system, i.e. redundant with RSC module and two integrated reference clocks or with SPT module and only one reference clock, different relay states can be switched.

In redundant operation, the two clocks and the changeover unit are monitored as standard (CLK1 - relay A, CLK2 - relay B, RSC - relay C).

Optionally, other signals can also be monitored (10 MHz, PPS). The relays A + C can also be switched by notifications (events).

Characteristics

Status Indicators	All LEDs red: Outputs disabled All LEDs green: normal operation, outputs enabled Single LED red: Indicates a faulty output or short circuit during normal operation.
Operating Voltage	+5 V DC
Supported Temperature	Operational: 0 - 50 °C (32 - 122 °F) Storage: -20 - 70 °C (-4 - 158 °F)
Supported Humidity	Max. 85 % (non-condensing) at 40 °C
Warranty	Three-year warranty
RoHS Status of Product	This product is fully RoHS-compliant.
WEEE Status of Product	This product is handled as a B2B (Business to Business) category product. To ensure that the product is disposed of in a WEEE-compliant fashion, it can be returned to the manufacturer. Any transportation expenses for returning this product (at end-of-life) must be covered by the end user, while Meinberg will bear the costs for the waste disposal itself.

Manual

The English manual is available as a PDF file: [2][Download \(PDF\)](https://www.meinbergglobal.com/download/docs/manuals/english/ims-rel.pdf)

Links:

[1] <https://www.meinbergglobal.com/english/products/modular-sync-system.htm>

[2] <https://www.meinbergglobal.com/download/docs/manuals/english/ims-rel.pdf>