

Meinberg Radio Clocks
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IMS-REL: Error Relais Module

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)
- 3 Year Warranty

Description

If the internal hardware clock is running synchronous to the source, the relay is switched to NO (Normaly Open) mode. In case of an error, the relay switches to NC (Normaly 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 info	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.
Electrical connectors	96-pin VG-rail DIN 41612
Power supply	+5V DC
Ambient temperature	0 ... 50°C / 32 ... 122°F
Humidity	Max. 85%
Warranty	Three-Year Warranty
RoHS-Status of the product	This product is fully RoHS compliant
WEEE status of the product	This product is handled as a B2B category product. In order to secure a WEEE compliant waste disposal it has to be returned to the manufacturer. Any transportation expenses for returning this product (at its end of life) have to be incurred by the end user, whereas Meinberg will bear the costs for the waste disposal itself.

Manual

The english manual is available as a PDF file: [1]Download (PDF)

Links:

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