

SR1132-R

Redundant 1PPS Amplifier and Distributor Unit

The SR1131-2R signal distributor amplifies and distributes "top second" pulses (1PPS) for equipment synchronization on ten outputs.

The incoming pulse is distributed without changing its polarity or duration.

The equipment is in the form of a rack shelf 19 inches high 1U.

This model has 10 independent outputs

Operations

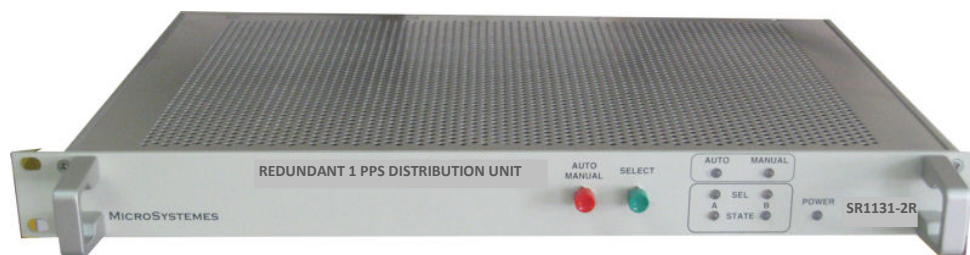
On the front panel, 2 groups of 3 LEDs, combined with 2 push buttons allow:

- Selects the mode:
Automatic or Manual
- Selects source in manual mode
Source A or Source B
- Indicates the source chosen
- Indicates the status of the source

Remote control

Remote control is done via Ethernet connection /IP 10/100 Mbit/s or via http protocol which makes it possible to obtain information on the state of the equipment:

- Operating mode
- Track status
- Channel selection



| TMD1131-2R front panel

Specifications

Inputs

The 2 inputs accept pulses of 1Hz period whatever their polarity and duration

TTL level input on BNC connector

Signal rise and propagation time <10ns

Outputs

The 10 available outputs 1PPS are TTL level on a load of 50 Ohms

The outputs are insulated.

Switching

The time to detect a fault on an input is ≤40ms

The switching time is ≤ 50ms

AC power

230V AC Power supply

CEE 2P + T socket with mains filter,

M / A switch

Voltage: 85-264VAC / 47-440Hz

Power consumption: <20W to 230VAC over 50 Hz per power supply

Connections

The input and output signals are done via the rear panel of the equipment

The connectors for the two inputs and the 10 outputs are insulated BNC Female type

The remote control connector is an RJ45 type

Temperature

Operating temperature: -10 ° to 60 ° C

Storage temperature: -20 ° to 70 ° C

Operating relative humidity: 10% to 90% (non-condensing)

Storage relative humidity: 5% to 95% (non-condensing)

Dimensions

Rack 1U 19" Depth 320 mm

Weight

< 3.5 Kg with the 2 AC power cables

MTBF

SR1132-R: > 100 000h

Consummation:

< 20 W

Certification

Certification with EU, ROHS & ITAR free



SR1131-2R Rear Panel

Ordering Code:

SR1131-2R: standard model

techniCAL
expanding possibilities

866-327-8731
www.techniCAL-sys.com

