

SR 1131

Distributor 1PPS timing signals

Functions

- ✓ The distributor timing signal 1131 Series provides amplification and distribution of twelve outputs pulses "top second " (1 PPS) for synchronizing equipment
- ✓ The incoming pulse is distributed without changing its polarity or duration
- ✓ The equipment is in the form of a rack drawer standard 19 inches tall 1 U.
- ✓ On the front panel, LED light emitting diode display the state of the equipment:
 - An LED "ON" indicates that the equipment is energized.
 - An LED "ALARM" indicates the detection of an alarm
 - Twelve LEDs give the status of individual outputs.
- ✓ A device tests the presence of pulses on each output. An alarm is generated if synthesis defect detection. This alarm is reflected by lighting a lamp in front and opening a relay contact .
- ✓ The inputs and outputs signals are carried by the rear face of the equipment.
- ✓ The 230V AC power is supplied by a standard EEC connector with fuse, filter and on / off switch.


Specifications

- ✓ Accepts pulse period 1 Hz whatever their polarity and duration
- ✓ TTL level on BNC connector isolated enter. 50 Ω impedance.
- ✓ 12 outputs TTL level on BNC connector isolated 5V.
- ✓ Alarm output for remote monitoring: contact potential free relay. Sub'D connector 9-pin female.
- ✓ Rising and signal propagation: <10 ns
- ✓ Dimensions: Width 483 mm, Height 45 mm, Depth 276 mm.
- ✓ Weight: 3 Kg
- ✓ Consumption: 20 W.
- ✓ Dependability: MTBF = 63,000 h

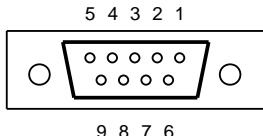
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Specifications (suite)

SIGNAL	1
COMMON	2
 <p>Front view</p>	

Input and output connectors for 1PPS signal

WORK CONNECTION	1
COMMON	2
REST CONNECTION	3
 <p>Front view</p>	

Alarm output connector

Ordering part number

SR1131 12 TTL outputs on BNC + Alarm

ADDITIONAL SPECIFICATIONS

Function / Requirements	Performance (quantitative aspects)
Amplification and distribution of 1pps signal	1 pps (pulse per second)
Entry Level	0 - 2 V
Input impedance	50 Ohms
Width of the input pulse	100 μ s
Rise time of the input pulse	< 5 ns
Fall time of the input pulse	< 20 ns
Connector type	BNC or SMA
Number of distribution outlets	\geq 6
Output level	0 - 5 V
Output impedance	50 Ohms
Width of the output pulse	\geq 20 μ s
Rise time of the output pulse	< 5 ns
Fall time of the output pulse	< 20 ns
Connector type	BNC or SMA
Main Power	230 V, 50 Hz
Low voltage supply	\leq 35 V
Documentation	User Manual
Warranty	2 years