

Dateq SD-1

Nowadays many radiostations work with computers to stay on the air for 24 hours. These computers can produce any kind of music at any time you wish, but what happens when the computer crashes.....then there's silence. No panic, the Silence Detector solves this problem! With Dateq's Silence Detector (SD-1) you stay "on air"!

OPTO-COUPLER OUTPUT

With the SD-1 backup-equipment can be activated when the regular audio-signal crashes. The backup can be started and stopped with the opto-coupler outputs at the back of the SD-1.

TRIGGER

The detection sensibility can be triggered by a potentiometer at the back. In addition, the time between the audiocrash and starting the backup(Start Delay) can be set very accurately(0-60 seconds). With the same accuracy the backup can be stopped(Stop Delay) when the regular audio comes back.

ALARM OUTPUT

At the Alarm output a telephone-dialer can be connected to alert e.g. a technician. Parallel with the alarm output runs a solid state relay to which the mains supply of the backup equipment can be connected. The backup input is equipped with a gain-trimmer.

PILOT / TIMING MODE

With internal dip-switches many extra functions can be selected. It's possible to switch on the pilot-tone detection and the timing-mode can be activated.

BYPASS

On the front the SD-1 has signalled and a clearly readable 24 segments LED-VU meter. With the bypass switch on the front the SD-function can be neutralized. In this mode only the main input is active.

WATCHDOG

With a small adaptation the SD-1 can be used as watchdog for PC's.



Technical specifications

INPUTS	
MAIN INPUTS	XLR-F, electronically balanced
Signal level	6 dBu @ 600 Ω nominal
Impedance	12 kΩ
Crosstalk	> 90 dB @ 1kHz
Input noise	<-86 dBu(IHF-A)
BACKUP INPUTS	cinch, unbalanced
Signal level	0 dBu @ 600 Ω variable (+/-12dB)
Impedance	6 kΩ
Crosstalk	> 85 dB @ 1kHz
Input noise	<-86 dBu(IHF-A)
OUTPUTS	
Main output	XLR-3M, balanced/+6 dBu, 600 Ω

LOGIC OUTPUTS	
Opto-couplers	25V/ 50mA maximal (backup start, backup stop, alarm active, backup fail)
Solid state relay	230Vac/ 2A maximal (alarm active)

GENERAL	
Power supply	220-240 VAC/50-60 Hz
Power consumption	15 W

DIMENSIONS AND WEIGHT	
Front (w x h)	483 x 44 mm (19inch-1HE)
Depth (w x h)	205 mm
Weight	1.6 kg

1) Reference level 0 dB = 0.775 V

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