

Series AT88 - ATSOUND

ATSOUND

Acoustic signalling module

As a complement of Aplicaciones Tecnológicas, S.A. SPDs range, this acoustic module is available, giving a warning every time a transient of a voltage leaves any SPD out of order.

This is specially suggested in systems where a high degree of safety and confidence is requested.

It works gathering wired signals from the different SPD that are meant to be monitored and **as a consequence of every failure of them, an alarm signal will be activated by mean of warning ring tones.**

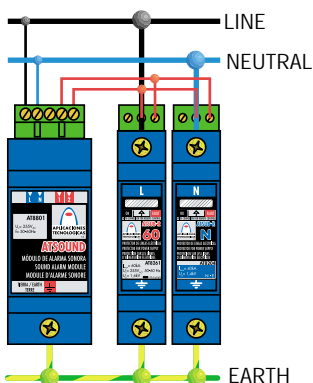
They are fully compatible devices with alls SPDs provided with remote control signal previously mentioned (ATSUBs and ATCOVERs). Several remote control terminals can be wired in series and inserted into the ATSOUND thus giving an alarm if any SPD is harmed. The warning lights and mechanical warnings allow to determine what SPD needs to be replaced in every particular case.

A tighter protection stage has been installed in the same module in order to prevent residual dangerous overvoltages after ATSUB and ATCOVER from altering the proper way of working.

INSTALLATION

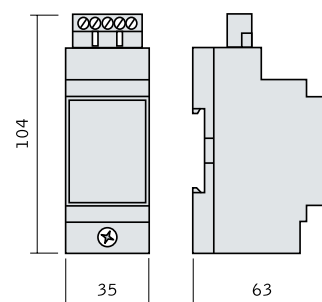
Place ATSOUND on the DIN rail, the closest to SPDs that are to be monitored and then proceed to the remote signal wiring for signals marked as 1, 2, power supply (for connections L and N) and ground.

Earth connection is a must. Earthing in all the installation must be bonded either directly or by a spark gap and resistance should be lower than 10Ω . If the indications of this datasheet are not fulfilled during the use or installation of the SPDs, the protection assured by this device could be endangered.



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AT8801 ATSOUND:
compatible with ATSUB and
ATCOVER





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		ATSOUND
		AT8801
Reference		AT8801
Protection categories according to RBT2002:		I, II, III, IV
Nominal voltage:	U_n	230V _{AC} (L-G)
Maximum continuous operating voltage:	U_c	255V _{AC} (L-G)
Nominal frequency:		50/60Hz
Nominal discharge current (8/20μs wave):	I_n	10kA / 20kA
Maximum discharge current (8/20μs wave):	I_{max}	20kA / 40kA
Lightning impulse current (10/350μs wave):	I_{imp}	4kA / 8kA
Protection level at I_n (8/20μs):	$U_p(I_n)$	420V
Protection level (1,2/50μs):	U_p	330V
Response time:	t_r	< 1ns
SPD location:		Indoor
Type of connection:		Parallel (one port)
Mounting method:		Fixed
Dimensions:		35 x 104 x 63mm (2 mod. DIN43880)
Fixing:		DIN rail
Working temperature:	ϑ	-55°C to +85°C
Enclosure material:		Polycarbonate
Enclosure protection:		IP20
Insulation resistance:		> 10 ¹⁴ Ω
Autoextinguish enclosure:		V-0 Type according to UNE-EN 60707 (UL94)
Connections L/N:		Maximum section 2,5mm ²
Connections to ground:		Max/Min section multi-stranded: 16 / 45mm ² (5/1 AWG) Max/Min section single-stranded: 4 / 45mm ² (11/1 AWG)

Certificated tests according to: IEC 61643-1 / NFC 61-0740 / EN 61643-11 / IEC 61312-3

Complies with requirements of: UL 1449

Relevant standards: UNE21186 / NFC 17102 / UNE21185 / IEC61024-1 / IEC61312-3