

SOUND ALARM MONITOR (SAM)

Integrated Monitoring and Control

Description

The SAM (Sound Alarm Monitor) has been designed to confirm the operation of Sound Alarms. It contains a microphone that senses sound alarms, when a sound alarm is detected above a pre-set level the module operates a relay output.

Features

- Sound Alarm monitoring
- Adjustable sensitivity
- Significant cost savings due to reduced manual inspections

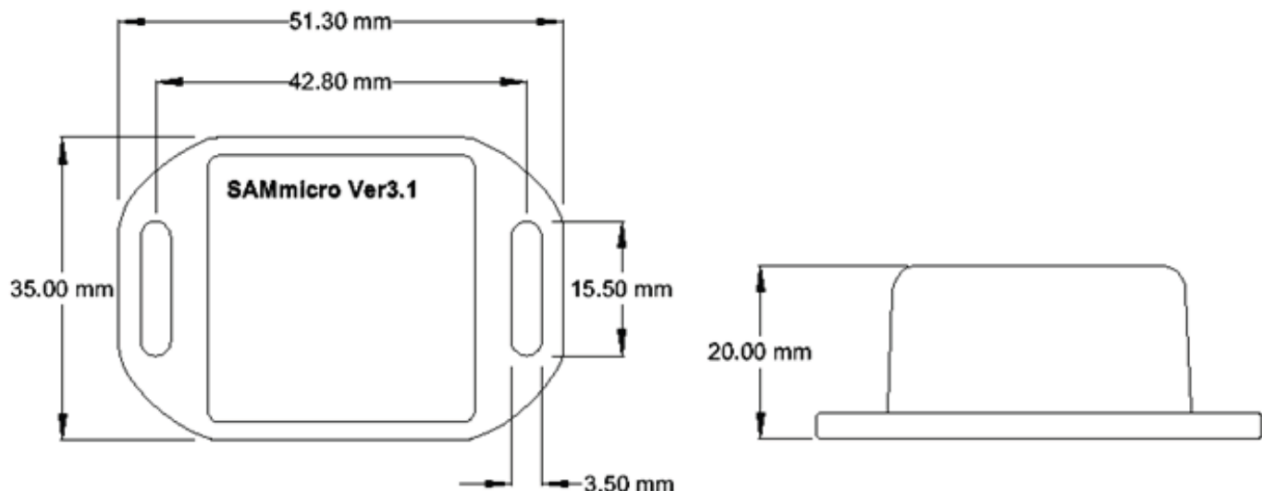
Application

The pre-set level is fully adjustable between 70dB and 125dB (140dB optional) from the front of the monitor, providing greater access when mounted inside enclosures and/or sounders.

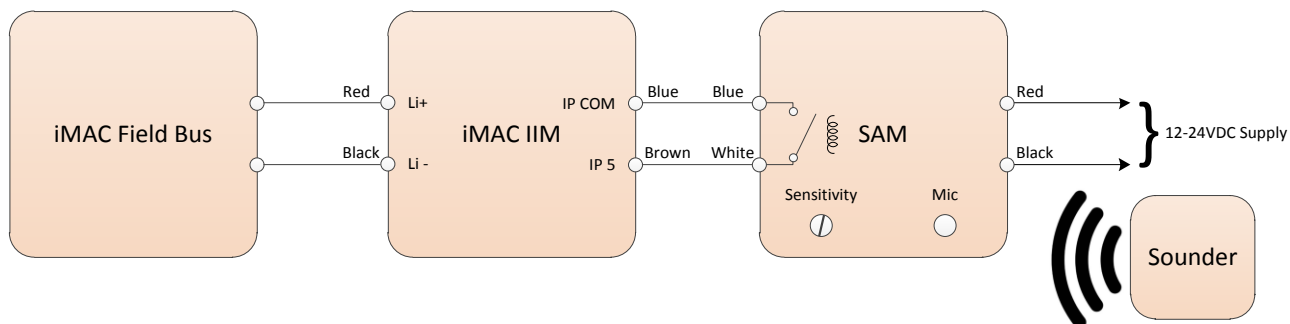
The Australian Conveyor Standard (AS1755) requires that conveyors be fitted with an Audible Pre-Start Alarm (PSA) throughout the length of the conveyor. The Standard also requires that the Pre-Start Alarm is either monitored or a regular inspection regime put in place to ensure the PSA is functioning properly.

Manually carrying out regular manual inspections on long overland conveyor installations can be a time consuming and costly exercise. The SAM module was designed to overcome the need to carry out these inspections by monitoring the sound output (dB level) of each sounder independently during the start-up sequence. The unit is configured to be Fail-Safe i.e. if there is no supply at the Sounder, or the sound level is below the set point, the contacts will not close.

Dimensions



Connection Diagram



Specifications

General		
Part No	SAMmicro Ver3.1	
IP Rating	IP30	
Indication	Off	No Supply / Faulty
	Solid (Green)	Faulty
	Flashing (Green)	Normal
	Solid (Red)	Trip (Sound exceeds Trip Point)
Sensitivity	70-125dB(140dB optional) @ 1m (1kHz)	
Adjustment	Front mounted trip pot.	
Output	Relay Contact (NO) 460mA 65Vdc/120Vac	
Supply	12-24Vdc +/- 10%, 6-12mA	
Protection	Reverse polarity and Surge	
Connections		
Supply	Red	Positive (+Ve)
	Black	Negative (-Ve)
Monitoring Contact	Blue	Common
	White	NO Contact
Find Out More		
For more information on this product, contact Ampcontrol Customer Service on +61 1300 267 373 or customerservice@ampcontrolgroup.com or visit the Ampcontrol website: www.ampcontrolgroup.com		

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