

Site Alarm Module (SAM)

Site Alarm Module, programmable alarm monitor.

Optional for Advanced Power Monitor (APM) product range
SAM0000



The Site Alarm Module (SAM) is an optional module used with the Advanced Power Monitor (APM) to allocate a dedicated alarm output for up to any ten (10) channels being monitored by the APM. Up to ten (10) SAM's can be easily added (daisy-chained) onto one APM to increase the number of monitored channels with dedicated alarm outputs. Site Alarm Modules (SAM) and Channel Alarm Modules (CAM) may be mixed on one APM if desired. The APM auto-detects SAM modules when they are connected, and through the GUI (Graphical User Interface) of the APM the user can configure which of the SAM outputs are assigned to respective APM monitored channels. Conditional alarm status is a feature that allows the individual base station PTT lines to be compared with the APM channel alarm status, allowing a "no RF output" from the base station to be recognised and raise an alarm event. Four (4) additional "general purpose" alarm inputs are also available on each SAM to monitor site alarms - such as temperature, battery voltages, site access doors and other site conditions. Front and rear LED's provide a visual indication of the status of all 10 output and 4 input alarm states.

Features

- User assigned 10-Ch alarm relay module
- Auto detected by APM when connected
- Conditional PTT status alarm reporting
- Compact 1RU 19" rack mountable shelf.
- Expandable to a total of 10 SAM's (and CAMs) per APM - each monitoring up to 10 Channels.
- Latched alarm outputs for Hot/Standby base station and Auto-Change Over (ACO) antenna control
- Up to 10 user configurable, PTT activated or general purpose logic alarm inputs
- Up to 4 user configurable, general purpose temperature, analogue or logic alarm inputs
- Communications interface and power daisy-chained between APM and respective SAM's
- Front and rear alarm relay activation notification LED's



FRONT VIEW



REAR VIEW

Specifications

		SAM0000
Model Number		10
Alarm outputs		Dry Relay N.O. / Common / N.C.
Alarm contact type		50VDC 1A
Alarm contact rating - max		10 (configurable - PTT by channel, or individual general purpose digital inputs)
Alarm inputs		4 (configurable - general purpose temperature, analogue and digital inputs)
Alarm inputs (refer manual for detailed explanation)	PTT or digital logic:	"0" = <2.5VDC "1" = > 2.5VDC
	Temperature:	-67° to +257° F or -55° to +125° C
	Analogue:	0VDC to +5VDC or +60VDC to -60VDC or +5VDC to -60VDC
Visual alarm notification		Front and Rear panel mounted LED's
Power Supply options (APM - daisy chained)		9-36VDC or 36-60VDC
Connectors		Note: All connectors on rear
	External Alarm inputs:	1 x Polarized 8-pin Phoenix connector
	Channel Alarm Outputs:	10 x Polarized 3-pin Phoenix connector
	Channel Alarm Inputs:	10 x Polarized 2-pin Phoenix connector
	Power Supply:	2 x Polarized 2-pin Phoenix connector
	Comms Interface:	2 x DB15 (M)
Mounting		1RU 19" Rack mounting
Dimensions		W 483 x H 45 X D 77mm / W 19 x H 1.75 x D 3"
Weight		<1kg / < 2.2lbs
Operational temperature range		-30 °C to + 60° C / -22°F to 140°F

Ordering information

Model Number	Description
SAM0000	Site Alarm Module, 10 PTT activated or individual general purpose Inputs, 4 External Alarm Inputs, 9-36VDC
SAM0000-48	Site Alarm Module, 10 PTT activated or individual general purpose Inputs, 4 External Alarm Inputs, 36-60VDC
SAM0000-TS	Site Alarm Module, Temperature Sensor c/w 5m (16ft) cable
SAM0000-CK	Site Alarm Module, I/O Interface Connector Kit c/w 10 x 2way, 10 x 3way, 1 x 8way connectors

Site Alarm Module (SAM)

Site Alarm Module, programmable alarm monitor.

Optional for Advanced Power Monitor (APM) product range
SAM0000



APPLICATION DIAGRAM

