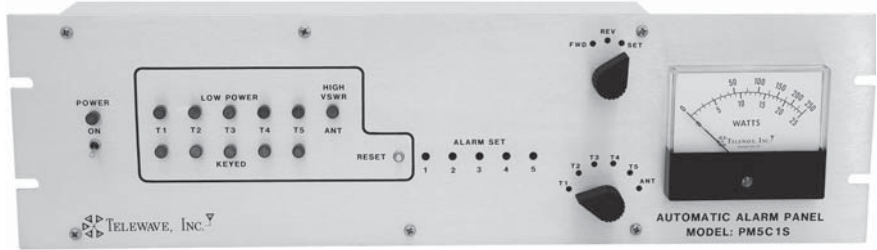


PM5C1S

RF POWER MONITOR / ALARM PANEL

The Telewave PM5C1S is a five-channel, single antenna automatic alarm panel featuring "true VSWR" circuitry and a built-in power monitor. The 3RU (5.25" x 19") panel mounts in any standard rack or inside most base station cabinets, and can be powered directly from 120VAC or 12VDC.



Whenever a low transmitter power condition is sensed by the PM5C1S on one of the five channels, a latched relay closure occurs for the appropriate channel and a red light turns on at the front of the panel. Normally open and normally-closed relay contacts are provided for each individual channel.

The PM5C1S panel is not frequency dependent, and power monitors for multiple bands can be used with a single panel.

A high antenna VSWR condition is accurately sensed at all power levels and indicated by a sixth latched relay and light. These contacts can be used to remotely activate lights, speakers, or other alarm systems. The relays and lights are reset by means of a front panel RESET button or by momentarily grounding the RESET input connection located on the rear of the unit.

FREQUENCY RANGE	BANDWIDTH
30-88 MHz	20 MHz
87.5-108 MHz	20 MHz
118-512 MHz	50 MHz
760-960 MHz	40 MHz

The frequency range is determined by the associated power monitors. Bandwidth is the approximate maximum range over which a useful range of voltages are available without retuning.

The panel also operates as an inline power monitor, measuring both forward and reverse RF power of up to five transmitters plus a sixth channel for antenna VSWR, with all readings displayed on a 3.5-inch meter. Up to 6 power monitors (not included) for the appropriate frequency band are required.

SPECIFICATIONS		
Power scales	FWD	0-250 watts or 0-400 watts
	REV	0-25 watts or 0-120 watts
VSWR alarm range		2.0:1 +25% / -10%
Low power alarm range		5 watts to full scale
Delay timing range		0.1 to 1 second
Relay contacts, closure		N/O or N/C
Relay contacts, ratings		3A - AC or DC
Temperature range		-20°C to +60°C
Power requirements		120 VAC / 8 W or +12 VDC / 3.5 W
Dimensions (HWD) in. (cm)		5.25 x 19 x 3.25 (13.3 x 48.3 x 8.3)
Weight lbs (kg)		4 (1.8)

The PM5C1S has 2 meter scale options: 0-250 watts, or 0-400 watts. The meter scale and frequency band must be specified with the order.