

PM1C1S

RF POWER MONITOR / ALARM PANEL

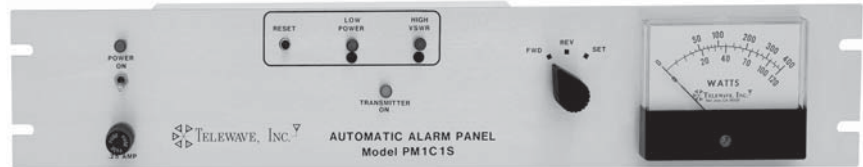
The Telewave PM1C1S is a single-channel, single antenna automatic alarm panel for low transmit power and high VSWR, featuring "true VSWR" circuitry and a built-in power monitor. The 2RU panel (3.5" x 19") mounts in any standard rack or inside most base station cabinets, and can be powered directly from 120 VAC or 12 VDC.

Whenever a low transmitter power condition is sensed by the PM1C1S, a latched relay closure occurs and a red light on the front panel turns on. Both normally-open and normally-closed relay contacts are provided.

A high VSWR condition is indicated by a second latched relay and light. These contacts can be used to remotely activate light, speakers, or other alarm systems. The relays and lights are reset by means of a front panel RESET button.

The panel also operates as an inline power monitor, measuring both forward and reverse RF power, with readings displayed on a 3.5-inch meter. A PM-2A power monitor for the appropriate frequency band is included, attached to the rear panel.

The PM1C1S has 2 meter scale options: 0-250 watts, or 0-400 watts. The meter scale and frequency band must be specified with the order.



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 integrated power monitor. Bandwidth is the approximate maximum range over which a useful range of voltages are available without retuning.

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 and N/C
Relay contacts, ratings		3A - AC or DC
Temperature range		-20°C to +60°C
Power requirements		120 VAC / 4 W or +12 VDC / 2 W
Dimensions (HWD) in. (cm)		3.5 x 19 x 4 (8.9 x 48.3 x 10.2)
Weight lbs (kg)		3.5 (1.6)