

PAGING CONTROL MODULES

Paging System PCM2000

The PCM2000 Zone Paging System provides robust zone paging for applications requiring 1 to 99 zones, and up to 32 paging zone groups. Its multi-function modules ensure flexibility and future expansion with minimum time and expense.

Product Features:

Paging Features:

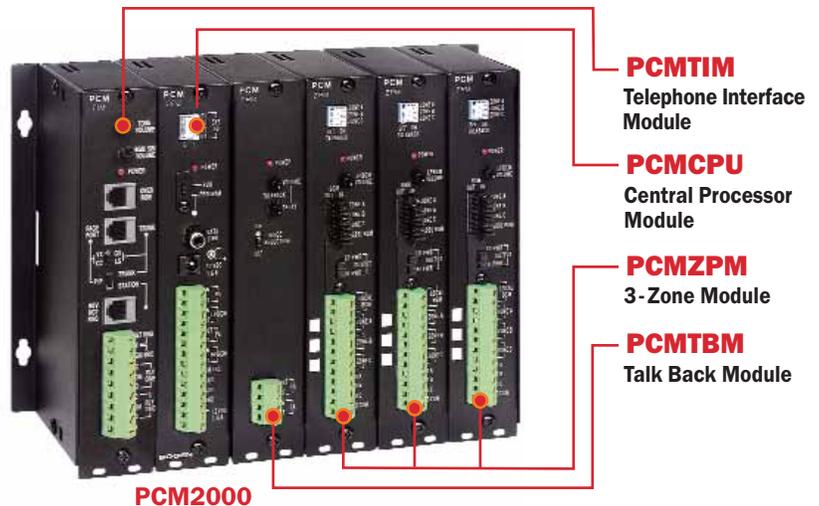
- Allows for 1 to 99 paging zones, in 3-zone increments
- Up to 32 programmable paging zone groups
- Emergency All-Zone Override Paging input
- All-Call function can be disabled
- 250-watt power handling capacity (*separate amplifier required*)
- Works with systems that are central- or self-amplified, or mixed
- Drives up to 40 self-amplified speakers per zone module in low-power mode

Installation Features:

- Operates with 70V and self-amplified (24V) paging systems
- Future expandability up to 99 paging zones using 10 PCM2000 slave assemblies
- Universal Telephone Interface allows simple connection to loop and ground start trunks, to PBX or KEY paging ports, and to analog 90V station lines
- Easy connections using standard RJ11 and Euro-style terminal blocks
- Relay driver outputs mirror the operation of each paging zone to control external equipment
- Two C-form relay contacts change state when system is activated to control external equipment
- A setup tone can be produced by the system to check system operation and volume levels
- Easy programming of system features through the telephone
- System programming can be reset to factory defaults
- Wall-mountable (*brackets included*)
- FCC Part 68 Registered
- Listed to UL Standard 60950 for US and Canada

Background Music:

- No interruption of background music in zones not being paged (two amplifiers required)
- Inhibit background music in any zone
- Zone modules can accept separate background music sources



PCM2000

Works with both central- and self-amplified systems.

Night Ringer:

- Night Ring activated from 90V ring signal or contact closure
- Night Ring tone can be selected as either simulated ringer sound or chime
- Night Ring tone can be directed to a specific group of zones
- RJ11 input connector

Code Calling:

- Code-Call capability using pleasant chime sound
- Code calling can be directed into a specific group of zones
- Directly dial number of chimes produced or use preset table of chime patterns
- 1 or 2 automatic replays of the code call

Signal Tones:

- Contact closure input controlled tone annunciation
- Tone signaling can be directed into a specific group of zones
- Tone can be selected as tone burst, chime, or 4 quick beeps
- Tone can be selected to follow state of contact closure input or preset burst length

Modules Required For Zone Paging Applications:

	Total Number of Zones in System										
	3	6	9	12	15	18	21	24	27	More Than 27 Zones	99 Zones
PCMTIM	← 1 Module Required For Each Total System →										
PCM CPU*	1		2			3			1 PCM CPU for every 9 Zones		11
PCMZPM	1	2	3	4	5	6	7	8	9	1 PCMZPM for every 3 Zones	
PCMTBM	← 1 Module Required For Each Total System (optional module for talk back or time tone options) →										

*Note: One PCMPS2 Power Supply (not included) is required for each PCM CPU Module.

FREE DESIGN GUIDE

PCM2000 CONFIGURATION GUIDE

This system configuration guide will assist you in designing zone paging applications.



It illustrates many popular applications for the PCM2000. This valuable guide is available to you at no cost. Download online at:

www.bogen.com/documentindex

Time Tones*:

- Built-in real-time clock
- Controls up to 8 time-triggered tone-signal events
- Each time-triggered event's tone can be directed to a specific group of zones
- Time-triggered tone burst length adjustable (2-8 seconds) or chime tone
- Simple programming of times and events through the telephone
- Master clock synchronization ability



Two-Way Communications*:

- Provides hands-free, 2-way talk back communications in 70V paging systems (amplifier required)
- Zones can be individually selected to be talk back or one-way only
- "Privacy Beep" can be enabled in talk back zones to prevent eavesdropping

*Requires PCMTBM Module

Technical Specifications for PCM2000:

Model	Power Requirements	Audio Power Capability*	Operating Current	Dimensions	Product Weight
PCM2000	12V DC@1.5A Power Supply (not included – PCMPS2 recommended)	250W (9-zone system)	1.5A max. (9-zone system)	1-1/2" W x 7-1/2" H x 4-1/4" D, each module	1 lb., each module

*Separate Amplifier Required

**Pre-Assembled Paging System
PCMSYS3**

The PCMSYS3 is a pre-assembled and tested 3-zone PCM system with a PCMPS2 power supply. Use it right out of the box for 1 to 3 zone applications or expand it with other PCM modules.



Ready-To-Go, right out of the box.

Contains:

- 1 PCMTIM - Telephone Interface module
- 1 PCMCPU - Central Processor module
- 1 PCMZPM - 3-Zone Paging module
- 1 PCMPS2 - System Power Supply

Expansion:

- Add PCMZPM modules for up to 9 zones
- Add PCMTBM module for talk back and realtime clock/tone applications
- Add satellite assemblies for up to 99 zones

Accessories

RPK88 Rack Mount Kit

Module housing for 10 modules max., with 12 wiring saddles, knockouts for wire access, and 8 mounting brackets.



RPK84 Rack Mount Kit
2 panel adapter, 6 modules max.



PCMPS2 Power Supply
(12V DC)



PCM2000 Modules:

PCMTIM



Telephone Interface Module

A universal interface connects to any type of telephone port, rapidly and trouble-free. Provides input for night ringer and emergency page override. One required per system.

PCMCPU



Central Processor Module

The PCMCPU controls system operation and holds all programmed parameters. One required for every 3 PCMZPM modules (9 paging zones).

PCMZPM



3-Zone Module

The 3-Zone module provides 3 paging zone outputs. Increasing system capacity is as easy as adding an additional module, up to 3 zones at a time. The zone outputs can drive 70V or self-amplified speaker systems. Relay driver outputs mirror the state of each paging zone to control external equipment. If desired, the system-wide background music can be disconnected and a separate music source can be connected to any PCMZPM module. Background music can also be inhibited in any zone.

PCMTBM



Talk Back Module (optional)

Allows 2-way, hands-free talk back communications throughout the paging system. The built-in real-time clock allows up to 8 user-scheduled time tones to be emitted in a specific group of zones. The clock can be synchronized with an external master clock. Only one PCMTBM is required for the entire system, when needed.