

# Administrative Display Telephone

## Model MCDS4



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- Features**
- DTMF dialing, 12-push-button keypad
  - 13 user-programmable, auxiliary function push buttons
  - 4-line x 16 character supertwist LCD display readout with alphanumeric, menu-driven operation
  - Displays up to four incoming calls, each with its priority level: normal, urgent, or emergency
  - Displays up to 8 outside lines and their status: free, ringing, in use, hold
  - Special ring signal and flashing "HELP" for emergency calls
  - Displays and sounds emergency 911 alert
  - Speakerphone for hands-free conversation
  - Handset volume control

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**Description** The Bogen MCDS4 is a 12-push-button DTMF dialing telephone, designed for use as an administrative station in Bogen Multicom 2000® and Quantum Multicom IP Systems. It incorporates a high-contrast supertwist LCD-type display panel, and a unique, easy-to-read menu-driven display system to provide rapid, efficient, and reliable control over the system's paging, intercom, or signal distribution features. (The specific features available to any station are assigned from the system's "central administrator" station.) A built-in speakerphone feature provides hands-free conversation. A handset volume control allows volume adjustment. The MCDS4 features ten dedicated-function push buttons and three user-programmable push buttons. The dedicated functions include speed dial of up to 10 numbers, redial last number, hold, speaker, and speaker volume control. The three programmable buttons can be used to speed dial frequently called numbers, or used to initiate a system function (alarm, relay, etc.).

Five different ringing signals are provided to distinguish call alert, normal, urgent, and emergency calls, and incoming outside line calls. The MCDS4 is fully compatible with the MCTCA option and when used in Multicom 2000 systems can display the status of outside lines and calls on hold for the first eight lines.

When the MCDS4 is used as the central administrator's phone with a Multicom 2000, system programming can also be performed. A special password-protected menu routine can be displayed on the LCD panel to guide the programming process.

The unit is furnished with a replaceable modular telephone coil cord, an easy-to-wire junction box and an AC power supply. It is constructed of high-impact ABS molded in a gray finish. The handset includes a dynamic receiver and transmitter. The phone requires 7-5/8" x 8-7/8" of desk or wall mounting space. Product weight is 3 lb.

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## Technical Specifications

<b>Audible Signals:</b>	5 ringing signals – call alert, normal, urgent, emergency call, incoming outside line call (requires MCTCA card)
<b>Dialing:</b>	DTMF-dialing “touch tone” telephone keypad
<b>Auxiliary Dialing Functions:</b>	10 fixed function, 3 programmable keys
<b>Outside Line Capability:</b>	8 lines (requires MCTCA card)
<b>Interconnections:</b>	Via junction box. Twisted-pair required for telephonic communication; optional outside line status feature requires additional twisted-pair.
<b>Digital Display:</b>	4-line x 16 character LCD. Display shows time, current time-signal schedule, station numbers/priority of calls, outside line status, and system operating menu routines.
<b>Construction:</b>	Molded ABS; gray finish
<b>Dimensions:</b>	7-5/8" X 8-7/8" desk or wall-space required
<b>Product Weight:</b>	3 lb.
<b>Power Supply:</b>	Supplied; 120V AC, 60 Hz, 5W input; 12V DC, 300mA output

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## Architect and Engineer Specifications

The administrative telephone(s) shall be a Bogen Model MCDS4. It shall be a DTMF-type with 12 positive action push buttons. It shall have dedicated function keys for speed dial (up to 10 numbers), redial, pause and save (programming functions), outside line, volume control, and speakerphone. It shall have three (3) programmable multi-function keys for speed dial or other system functions.

The phone shall provide full two-way hands-free speakerphone or private handset communication with any other system telephone, or intercom communication with any system staff station speaker. The phone shall allow handset volume control adjustment. The phone shall have its own internal microprocessor and shall provide for full implementation, control, and display of the Bogen Multicom 2000 and Quantum Multicom IP system's operational functions and modes. Each administrative station shall also support an optional loudspeaker. It shall store up to thirteen (13) speed dial numbers, three of which may be assigned to any of the dedicated function keys.

The phone shall be equipped with a 4-line by 16-character LCD-type display panel which shall normally show the time of day, day of week, and current time signal schedule. The display shall also be capable of displaying four (4) internal calls with their priority level, and the status of up to eight (8) outside lines.

Five (5) ring signals shall be supported, to distinguish between call alert, normal, urgent, and emergency calls, and outside line calls. Unanswered calls shall be logged, in order of priority, as a call-back request. Incoming emergency

calls shall also cause the word “HELP” to flash on the display panel. (A feature is available to route incoming emergency calls to a dedicated emergency speaker station in the event the administrative phone is unanswered.) The phone shall display and sound a 911 emergency alert.

An easy-to-read display shall be available to guide the operator through scrolling, auto-dial and queue/erase functions. When used with the Multicom 2000, a system setup menu shall be available to designated administrative telephones, with the entry of a valid password. The menu shall permit setting the time and day of week, programming time-signaling events, time zones and page zones, and accessing an outside line (if this option is specified). A system “initialization” menu shall be available from the configuration menu, and with the entry of a valid password, shall permit full control over system functions and station functions.

The telephone shall be supplied with a modular telephone coil cord, junction box, and AC to DC power supply. The power supply shall provide 12V DC @ 300mA for display panel operation from normal 110V AC. The telephone shall be constructed of high-impact molded ABS in a gray finish. The handset shall include a dynamic receiver and transmitter. All telephonic communication, complete with DTMF signaling, dial tone, ringing and busy signals, and data display shall use two wires. Two additional wires connecting to the system's RS485 interface shall be required to utilize the line status feature (Multicom 2000 systems only). Desk or wall mounting space required shall be 7-5/8" x 8-7/8". Product weight shall be 3 lb.