

## BASE MASTER STATION



### Features

- *Compact Desktop Housing*
- *Moisture Resistant Switch Panel*
- *Sixteen-Digit Alphanumeric LCD Display*
- *Sixteen Call Priority Levels*
- *Three Programmable Priorities*
- *Three Levels of Staff Reminder and Presence*
- *Sensitive Speaker and Microphone*



### General Description

A Dukane Model 4A3610B Base Master Station is normally located at each nurse control center. It can optionally be connected to a supplemental display unit with or without a touch screen control panel, or to a four-line display unit. The master station digitally displays incoming calls one at a time by room and bed, based on the time the call was placed and its programmed priority within the assigned control area. The attendant can answer calls automatically in order of priority and/or call placement, or manually by scrolling through the list of pending calls. Two-way voice communication then occurs through the master station's speaker/microphone or handset.

While the master station is in communication with a room station, the master station attendant can assign one of three reminder levels to that call, clearing the display for the next call. The call placed on reminder will remain in the system and automatically return if it is not canceled at the patient's room within a predetermined time.

The attendant can use the master station to locate three different staff levels and communicate a patient's needs to the desired staff member once found. The attendant can also assist the staff member in locating the room by activating the reminder feature to illuminate any one or all three of the color-coded sections of the corridor light outside the patient's room.

Room stations normally under the control of one master station can be individually captured by, or transferred to, another master station.

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## Engineering Specifications

A Dukane Model 4A3610B Base Master Station, with or without a supplemental display unit, shall be located at each nurses' station for use with Dukane's ProCare 6000 System® as shown on the floor plans. It shall include the following functional controls and operational features:

1. A 16-character LCD display window shall be set at an angle for optimum viewing from a standing or sitting position. It shall indicate the first incoming call, sorted by time of placement order and by call priority. All other pending calls shall be held in memory and displayed as the preceding calls are answered, canceled, or placed on reminder. The attendant shall be able to review all pending calls held in memory by using the scroll function.
2. Each call shall display a three- to eight-digit programmed architectural room number, consisting of a possible combination of ten numbers (0–9) and/or eight preprogrammed alpha characters, and a four-character programmable priority. A condition code shall indicate the master's current operational state.

In addition, alphanumeric prompts shall be displayed to assist the attendant when changing or activating system functions. These functions shall include reviewing and changing the current priority settings for each room station, reviewing those room/bed numbers that are currently placed on reminder by level, and reviewing registered staff presence by level.

3. A speaker, separate microphone and associated TALK button, and volume control shall be provided for attendant control of the voice communications with any station assigned to the master station's coverage area. Removing the handset from the cradle shall disconnect the speaker and microphone to provide private two-way communications without using the TALK button.
4. A tone signal shall announce all incoming calls. The tone rate shall be programmable by call priority, and the volume level shall be adjustable.
5. A compact control panel shall feature permanently designated, conductive rubber pushbuttons sealed to protect against moisture. It shall consist of the following controls for system operation:
  - a. A 12-button telephone key pad used in conjunction with eight programmable keys to originate calls to any patient, staff, or duty station. The asterisk (\*) key and the pound (#) key shall be used to answer/select and to cancel/disconnect, respectively. In addition, the numbered keys shall be used to select or change call priorities, view staff level locations and reminder settings, and to send pages to pocket pagers.
  - b. Eight keys that can be programmed with any combination of 10 numbers (0–9), alpha characters, and menu instructions for shortcut selection of the stations by room name or number and bed letter, and/or for shortcut selection of menu-driven activities.

c. Five functional control buttons:

**PRIORITY**—to assign one of three priority levels to each bed. It shall also be used to scan the system for beds currently assigned to each priority level.

**LOCATE**—to locate and display, by room number, up to three different staff levels registered into rooms.

**REMIND**—to illuminate and flash up to three different color-coded sections of the corridor light outside each patient's room, and to place into memory the patients who require personal attention by the appropriate staff members. Alternately, pressing this button shall cause the master station to display the rooms and beds, grouped by staff level, that still require attention.

**TONE**—to silence the current call tone while allowing the next incoming call or calls to sound a tone at a rate based on the highest priority of the waiting calls. If a silenced call is not answered within a programmable time limit, the tone shall resume.

**MENU**—to activate system features not directly selectable, including: On/Off Duty, Capture, Capture Scan, Audio Page (Zone, Corridor, All), Pocket Page, Time Out Settings, Errors, and Test.

- d. A TALK button to control voice direction when using the master station's speaker and microphone combination.
  - e. A bidirectional volume control to increase or decrease the speaker's incoming audio level.
  - f. A FLASH button for future telephone control functions.
6. Separate password-protected, software-driven controls shall be provided to independently adjust the audio communications level and tone quality.
7. The housing shall be constructed of gray, Cicolac® C2800 or equal, fire-retardant material with all control surfaces electrically isolated from all system components. The desk unit shall be no larger than 9-1/2 inches (24.1 cm) wide, 8-3/4 inches (22.2 cm) deep, and 4-1/2 inches (11.4 cm) high, including the handset. The station shall include a 7-foot (2.1 m) audio and data cable and a connector assembly for plug-in connection to a single-gang wallplate receptacle, a modular connector for connection to the optional supplementary display unit, and a pullout operational guide.
8. An optional Model 9A1489 Power Fail Monitor shall be used when electrical supervision of the system is required as specified in UL 1069, paragraph 18.
9. The master station, as part of the system, shall be UL 1069 Listed.

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**Associated  
Equipment**

**Model 9A1489 (optional)**

Power Fail Monitor

**Model 12A3605 Series**

Central Equipment

**Model 60A614D (optional)**

Supplemental Display Unit

**Model 60A624D (optional)**

Supplemental Display Unit (touchscreen)

**Model 60A625D (optional)**

Supplemental Display Unit (touchscreen and four serial ports)

**Model 110-3284**

Single-Gang Wallplate Receptacle

**Model 110-3616A**

Master Interface Unit (MIU) PCB

**Model 438-815 (optional)**

Four-Line LC Display Unit

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