

CALL-IN SWITCHES



Models CA10A, CA11A, CA15C, CA17, CA19 & CA21B

Features

- Staff station call-in to control center or administrator
- Flush or surface mounting in standard outlet boxes
- Heavy-duty long-life switches
- Color-coded connecting leads for easy installation

Description

The Bogen CA-Series Call-In Switches are attractive, functional units for call-in from classrooms or other staff locations in Bogen's PI35A and SI35A Intercom Systems, Multi-Graphic® Series 115B, 2223, and 2233 Institutional/School Communication Systems, and Multicom 2000® Administrative Communication Systems.

Models **CA10A** and **CA11A** incorporate SCR holding circuits which actuate the annunciator signal and LEDs in Bogen SBA-Series room selector panels. The CA10A and CA11A are designed for use with the PI35A, SI35A and Multi-Graphic Series 115B/2223/2233 systems. Both switches provide momentary Press-to-Call; the CA11A also offers a fixed Privacy position to prevent unauthorized monitoring of the staff station from the control center. The privacy mode does not interfere in any way with program or intercom transmissions to the staff station (privacy cannot be used with 2-wire call-in).

The **CA15C** is designed for use with Multicom 2000 system staff stations. The switch provides momentary Press-to-Call, functioning and can be used to initiate both "normal calls" and "emergency calls."

The **CA17** is a momentary push-button switch which does not incorporate SCR circuitry. It is designed for annunciator call-in in PI35A, SI35A, and Multi-Graphic systems that are equipped with the SCR25A module.

The **CA19** is designed for use in MULTICOM 2000 systems (no SCR circuitry). The CA19 provides the Press-To-Call function at enhanced staff stations that are equipped with the MCESS or MCWESS telephone sets. Please contact Bogen's Application Engineering Department for CA19 supportive software.

The **CA21B** is designed for use in MULTICOM 2000 systems (no SCR circuitry). It provides a Press-to-Call position and has a fixed Privacy position to prevent monitoring. It can be used to initiate both "normal calls" and "emergency calls."

All CA Series switches may be flush-mounted or surface-mounted in standard single-gang outlet boxes. The faceplates are brushed aluminum, with beveled edges, and are supplied with mounting screws.

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Application Chart

Model	Positions	Function	Action	Used With
CA10A	2	Press To Call	Momentary	PI35A, SI35A, and MultiGraphic I15B, 2223, 2233 Systems
CA11A	3	Privacy Press-to-Call	Fixed Momentary	
CA15C	2	Press-to-Call Emergency Call	Momentary (4 Times)	Multicom 2000 Staff Stations (Level 1, 2, 3)
CA17	2	Press-to-Call	Momentary	PI35A, SI35A, MultiGraphic I15B, 2223, 2233 equipped with SCR25A module
CA19	2	Press-to-Call	Momentary	Multicom 2000 Enhanced Staff Stations (Level 4, 5, 6)
CA21B	3	Privacy Press-to-Call	Fixed Momentary	Multicom 2000 Staff Stations (Level 1, 2, 3)

Architects and Engineers Specifications

The call-in switch shall be a Bogen Model _____ (specify CA10A, CA11A, CA15C, CA17, CA19, or CA21B), or equivalent, designed for flush- or surface-mount installation in a standard single-gang outlet box. It shall be mounted on a brushed aluminum faceplate, 4-1/2" high x 2-3/4" wide, with beveled edges. The plate shall have two holes drilled to conform to the positions of the tapped holes on the outlet box. Two oval-head machine screws shall be supplied for mounting.

Use for all except CA17. The switch shall be furnished with insulated, color-coded connecting leads, stripped and tinned.

Use for CA10A. The switch shall be two-position, rocker-type, single-pole, normally open, designed for use with Bogen PI35A and SI35A systems, and Bogen Multi-Graphic Series I15B, 2223, and 2233 systems. The depressed position shall be momentary. When pressed, the switch shall energize the corresponding annunciator lamp and the call-in tone at the room selector panel, and shall maintain this condition after the switch is released and until the call is acknowledged by the operator. The holding action shall be accomplished without the use of relays or other mechanical devices.

Use for CA11A. The switch shall be three-position, rocker-type, designed for use with Bogen PI35A and SI35A systems, and Bogen Multi-Graphic Series I15B, 2223, and 2233 systems. It shall have two single-pole circuits which are open in the normal center position, labeled TALK. One circuit shall close when the switch is pressed downward, a momentary position which energizes the corresponding annunciator lamp and the call-in tone at the room selector panel. This condition shall be maintained after the switch is released and until the call is acknowledged by the operator. The holding action shall be accomplished without the use of relays or other mechanical devices. The other circuit shall close when the switch is pressed upward to the fixed position labeled PRIVACY. When the switch is in this position, it shall be impossible for the system operator to monitor the associated staff loudspeaker. However, this shall not affect the transmission of program material or intercommunication from the control

center to the loudspeaker (privacy is not available with 2-wire call-in).

Use for CA15C. The switch shall be two-position, rocker-type, single-pole, normally open, designed for use with Bogen MULTICOM 2000 systems. The depressed position shall be momentary. When pressed, the switch shall cause a designated administrative phone to ring. When pressed four times, it shall activate an "emergency call."

Use for CA17. The switch shall be two-position, push-button type, single-pole, normally open. It shall be designed for use with Bogen PI35A, SI35A, and Multi-Graphic systems equipped with the Bogen SCR25A module. The depressed, momentary position shall activate the corresponding annunciator lamp and the call-in tone at the room selector panel.

Use for CA19. The switch shall be two-position, rocker-type, single-pole, normally open, designed for use with enhanced staff stations in Bogen MULTICOM 2000 systems. The depressed position shall be momentary. When pressed, the switch shall cause a designated administrative phone to ring. When pressed two times, it shall activate an "emergency call."

Use for CA21B. The switch shall be three-position, rocker-type, designed for use with Bogen MULTICOM 2000 systems. It shall have two single-pole circuits which are open in the normal center position, labeled TALK. One circuit shall close when the switch is pressed downward, a momentary position which shall cause a designated administrative phone to ring. When pressed three times, the switch shall activate an "emergency call." The other circuit shall close when the switch is pressed upward to the fixed position labeled PRIVACY. When the switch is in this fixed position, it shall be impossible for an administrator to monitor the associated staff loudspeaker. However, this shall not affect the transmission of program material or intercommunication to the loudspeaker.

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