

# Call-In Switches

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



### Description

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

### Features *All Models*

- Flush or surface mounted in standard single-gang outlet boxes
- Heavy-duty long-life switches
- Color-coded connecting leads
- Brushed aluminum faceplate
- Mounting screws included

### **CA10A and CA11A**

- Designed for use with the PI35A, SI35A and Multi-Graphic Series 115B/2223/2233 systems
- SCR holding circuits actuate the annunciator signal and LEDs in Bogen's SBA-Series room selector panels
- Provide momentary press-to-call

### **CA11A**

- Offers a fixed privacy position to prevent unauthorized monitoring of the staff station from the control center
- Privacy mode does not interfere with program or intercom transmissions to the staff station (privacy cannot be used with 2-wire call-in)

### **CA15C**

- Designed for use with Multicom 2000 system staff stations
- Provides momentary press-to-call functioning
- Can be used to initiate both "normal calls" and "emergency calls"

### **CA17**

- Designed for annunciator call-in for PI35A, SI35A, and Multi-Graphic systems that are equipped with the SCR25A module
- Momentary push-button switch (does not incorporate SCR circuitry)

### **CA19**

- Designed for use in Multicom 2000 systems (does not incorporate SCR circuitry)
- Provides press-to-call function at enhanced staff stations that are equipped with the MCESS or MCWESS telephone sets
- Contact Bogen's Application Engineering Department for CA19 supportive software

### **CA21B**

- Designed for use in Multicom 2000 systems (no SCR circuitry)
- Provides a press-to-call position and has a fixed privacy position to prevent monitoring
- Can be used to initiate both "normal calls" and "emergency calls"



**Application Chart**

Model	Positions	Function	Action	Used With
CA10A	2	Press-to-Call	Momentary	PI35A, SI35A, and MultiGraphic 115B, 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 115B, 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)

**Architect and Engineer 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, 4½" H x 2¼" W, 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 a two-position, rocker-type, single-pole, normally open switch, designed for use with Bogen PI35A and SI35A systems, and Bogen Multi-Graphic Series 115B, 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 a three-position, rocker-type switch, designed for use with Bogen PI35A and SI35A systems, and Bogen Multi-Graphic Series 115B, 2223, and 2233 systems. It shall have two single-pole circuits that are open in the normal center position, labeled TALK. One circuit shall close when the switch is pressed downward, a momentary position that 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 a two-position, rocker-type, single-pole, normally open switch, 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 a two-position, push-button type, single-pole, normally open switch. 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 a two-position, rocker-type, single-pole, normally open switch, 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 a three-position, rocker-type switch, designed for use with Bogen Multicom 2000 systems. It shall have two single-pole circuits that are open in the normal center position, labeled TALK. One circuit shall close when the switch is pressed downward, a momentary position that 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.



**BOGEN<sup>®</sup>**  
**COMMUNICATIONS, INC.**

50 Spring Street, Ramsey, NJ 07446  
Tel. 201-934-8500 FAX: 201-934-9832, www.bogen.com

\* Architect and Engineer Specifications are available on CD and online in a Word document to assist you with preparing your bids.