

BOGEN[®]

COMMUNICATIONS, INC.

CALL-IN MODULE MODEL SCR-25A

The Model SCR-25A Call-In Module is an annunciator latching control bank designed for use with Bogen SBA-Series Room Selector Panels. The SCR-25A provides 25 silicon-controlled rectifiers and programmable jumpers, and permits the use of either a momentary switch (such as the Bogen CA-17) or a telephone handset with fixed closure for call-in from each staff location.

The SCR-25A provides annunciator latching (as needed) to keep the appropriate LED lamp illuminated

until the call is acknowledged. Jumpers are provided to select the method of call-in (momentary switch or fixed closure handset).

The module is connected to the switchbank by a plug-in method and is constructed of G-10 glass epoxy. Power supply is selectable by a jumper and is taken from the switchbank (in COMMUNITELE systems) or from an external power source. Termination is via centerline connectors (Panduit or equivalent).

SCR-25A INSTALLATION

Caution

The installation of accessory equipment requires the removal of protective covers; exposure of internal components presents an electrical shock hazard. Accessory equipment should be installed by qualified service personnel only.

Connections

1. Align the SCR-25A Call-In Module with the connector pins located at the rear of the SBA-Series panel and carefully press into place.
2. Make speaker and annunciator connections directly to the SCR-25A module as you would to the room selector panel. Note: the pins that normally would not have been used on the SBA-series panel do not appear on the SCR-25A panel.

Power Requirements

1. Jumper J26 in the upper right hand corner of the SCR-25A printed circuit board, must be in the Multi-Graphic position, as illustrated in the diagram on the pc board.

2. Connect a wire from one of the pins marked P12, in the lower right hand corner, to the positive (+) terminal on an external 12V DC power supply. Connect the negative (-) terminal on the power supply to ground on the MCP-35A. If more than one SCR-25A is used, parallel P12 to each SCR-25A. Note that if only one or two SCR-25A modules are used, they can be powered from the +12V terminal on the rear of the MCP-35A.

Mode Selection

For each channel using momentary switch contacts (no SCR) for call-in, set the corresponding jumper (J1 - J25) to the TOGGLE position (towards left, as looking at rear).

For each channel to which a phone or SCR-equipped call-in switch (Bogen CA-10 or CA-11) is connected, set the corresponding jumper (J1 - J25) to the PHONE position (towards right, as looking at rear).

For clarity, two diagrams showing the relative positions of jumpers J1 - J25 and J26 are screened onto the pc-board.