



CI-ODC-1-B

Collaborative Intercom Operator Desk Console

BENEFITS

- Superior Sound Quality
- Low Cost
- Total Flexibility
- Easy Set Up
- Simple Integration

The Tech Works CI-ODC-1-B Operator Desk Console is part of the Collaborative Intercom product group designed to take a variety of Audio Intercommunication products and let them talk to each other over the Tech Works CI-Buss. The CI-ODC-1-B includes a professional cardioid, condenser, gooseneck microphone, and a speaker. Buttons and indicators provide control to allow the operator to just listen to the CI-Buss communication or to talk, and collaborate hands free. A headset jack on the side of the console allows connection of a local operator headset such as the SAVI 7210 wireless unit.

Setup is plug and play with an integral speaker level control to adjust the listening level. No further adjustments should be required for standard operation. Integral VOX and ALC allow for full duplex conversations without feedback.

The CI-ODC-1-B can be used in a small Intercom when connected to a single CI-Buss product or as an addition to larger systems using microphones, speakers, and a variety of CI-Buss and PA-Buss devices. The Intercom can simply plug together using standard CAT-6 patch cables. When connected to another CI-Buss unit all headsets, speakers and microphones become part of that system. The CI-ODC-1-B provides a level of flexibility and control unmatched in communication.

Associated Equipment

PA-402	Program & Paging Amplifier
CI-HSI-41	Collaborative Intercom Headset Interface
CI-MSI-22	Collaborative Intercom Microphone Speaker Interface

Design Information

Power	24V DC
Color	Light Gray Metal Enclosure, Black Mic
Mounting	Desktop
Dimensions	5" W x 7" D x 3" H (not including 12" gooseneck microphone)
Weight	2 lbs.

Architects' and Engineers' Specifications

An Operator Desk Console must be provided for this project to have hands-free full duplex communication from an observation control location. The Operator Desk Console must be capable of articulate voice pickup from a professional cardioid condenser gooseneck microphone and clear listening from an integral speaker without feedback. The system must include Automatic Level Control and the Collaboration Intercom interface for connection to other Tech Works CI-BUSS devices for a complete and operable system. System connections must be via industry standard CAT-6 patch cords. The Operator Desk Console shall operate from a separate UL Listed 24 VDC 1 Amp power source.

The Operator Desk Console shall be Tech Works Model CI-ODC-1-B.



Tech Works®

"Making Specialized Communication Easy"



Rear View and Connections



The CI-ODC-1-B is an Operator Desk Console Intercom that includes a professional 12 inch cardioid gooseneck microphone and a moisture resistant 45 ohm speaker. On the side of the console is an industry standard RJ-22, telephone handset connector to accommodate a Plantronics Wireless Headset (Sold separately).

The CI-ODC-1-B is designed to be part of an Intercom System and has a CI-BUSS interface. For example, it may be connected to a CI-HSI-41 to allow the operator to communicate with a group of people wearing headsets. Or it can be connected to a CI-MSI-22 to allow connection of ceiling speakers and hanging microphones in an Operating Suite. Or connect it to both and have a variety of collaborative conversations. The “MASTER” connector acts as a link to the others.

The Operator Desk Console is normally configured for Voice Activated (VOX) Operation, with Speaker Ducking. If the Operator Desk Console is used in a noisy environment which adversely effects VOX, the Console may alternately be Configured for Push-to-Talk Operation. A 'Foot Switch' can be added to control the Operator Microphone. The Foot Switch connector is a standard ¼ inch Tip Ring Sleeve jack and requires only a contact closure between Tip and Ring to control the microphone.

Power is supplied by an external regulated DC power transformer (sold separately). When the Operator Desk Console is used with units such as the CI-MSI-22 they can share a power supply by using one of the Tech Works DC Power Cords (sold separately).

The CI-BUSS is transformer isolated, so the distances between units can be great without introducing noise into the system. Also the transformer isolation allows different parts of the system to be grounded locally for safety.

When used with an Intercom System, a normally open “Call Switch” may be added to get the Operators attention by stepping on a footswitch or pushing a button connected to a CI-HSI-41 or CI-MSI-22.

By adding a PA-BUSS products such as the PA-402 the CI-Buss conversation can be played over ceiling speakers so observers can hear the conversation. PA-BUSS products also offer features like background music and paging so that these features can be seamlessly integrated into a complete system.

For further system set up and adjustment please see the System Planning Guide.

