

Video All-Call Systems

VACD-12 AND AB-800



Headend

○ Features & Benefits

- Video All-Call System - Provides Override of All Channels on the System
- Compatible with CATV or Off-Air Systems
- Distributes Signals Throughout Installation Including Locally Originated Signals

Modern school systems often incorporate audio (paging or intercom throughout the school) with traditional video distribution (delivering a number of channels to each classroom). Video distribution allows the school to interface with local cable television and deliver topical programs to each classroom, originate local programming (either live or playback via a VCR) and provide to every room in the school. Additionally, emergency or general announcement information can be quickly delivered with both audio and video information to each television in the school. Blonder Tongue manufactures a complete line of products for implementing a Video All-Call System. These systems provide an integrated solution of allowing one channel to override all other channels on all televisions in a school system. In order to integrate all of these components into a complete all-call system, Blonder Tongue also offers the VACD-12 Distribution Amplifier and the AB-800 Pin Diode Switch. These two products are used to distribute the alternate audio/video program to each modulator and processor in the system. When invoked, the substitute IF program will override the normal IF programs available at each modulator and processor. Every channel in the system will be overridden with the new program.

○ Specifications

VACD-12

IF

Input Frequency Range: 41 to 47 MHz
Input/Output Level: +28 dBmV
Reserve Gain: 3 dB
Output Frequency Range: 41 to 47 MHz

Electrical

AB-800 Control Voltages: ± 15 VDC
Sensing: Contact Closure

General

Power Requirements
Voltage: 117, $\pm 10\%$ VAC
Frequency: 60 Hz
Power: 12 W
Fuse: 1/2 A
Temperature Range: 0 to +50 °C

Mechanical

Dimensions (WxHxD):
19.0 x 1.75 x 15.25 in
483 x 44 x 387 mm

Weight: 11.00 lbs. (5.00 kg)

Connectors (Rear Panel)

IF IN: "F" Type, Female
IF OUTs (12): "F" Type, Female
Control: MOLEX, Female, 4 PIN
Sense: MOLEX, Female, 2 PIN

Connectors (Front Panel)

IF Test Port: "F" type, female

Controls (Front Panel)

IF Output Level: Control

Indicators

Power ON: LED, Green

Accessories

Control Plug Pigtail: MOLEX, 4 PIN, male

AB-800

IF

Input Frequency Range: 41 to 47 MHz
Insertion Loss: 0.5 dB
Isolation: >60 dB

Electrical

Control Voltages: ± 15 VDC

Mechanical

Dimensions (WxHxD):
4.44 x 1.56 x 0.94 in
113 x 40 x 24 mm

Weight: 1.00 lbs. (0.45 kg)

Connectors (Side Panels)

IF Input: "F" Type, Female
All-Call Input: "F" Type, Female
IF Output: "F" Type, Female
Control: Locking Header, Female, 4 PIN

Accessories

Control Plug: Locking Plug, Male, 4 PIN

○ Ordering Information

Model	Stock No.	Description
VACD-12	4019	Video All-Call Distribution Amplifier NOTE: Use with AB-800
AB-800	4018	A/B Pin Diode Switch