

RTS[®] Two Wire Intercom Series

Innovating the future of communications



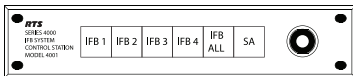
4001, 4002, 4003, 4010, 4030, IFB-325 IFB System

Features

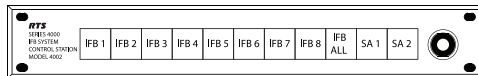
This IFB System is a one-way Interruptible Feedback communications system (a program interrupt system) created especially to meet critical requirements of the television broadcast industry, as well as other live or recorded media applications. The system is composed of user stations, central electronics and control panels. A modular approach assures the optimum configuration for each installation. Should system expansion be desired, additional components may be added as necessary. A typical system may consist of the following: up to four control panels, one central electronics unit, four user stations and assorted cabling and interconnect units. The maximum standard configuration allows four control panels, three central electronics, and twelve user stations.

Line Drawing

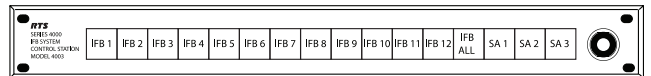
4001



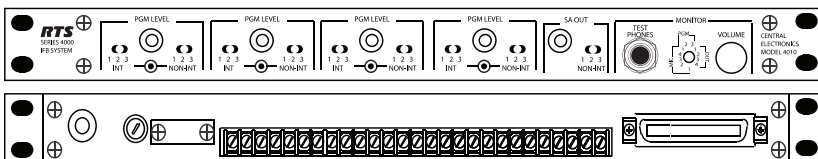
4002



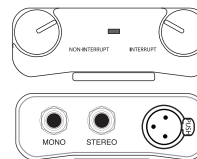
4003



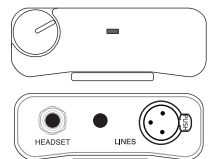
4010



4030



IFB-325



IFB System Specifications

4001, 4003, 4003

Frequency Response 50Hz to 16kHz
+0, -3 dB

Signal-To-Noise Ratio
58 dB

Total Harmonic Distortion
0.2%

Nominal Input Level
Microphone
123mV p-p
Line
-15 dBu to -5 dBu

Input Impedance Unbalanced Input
Microphone
470 Ω
Line
4.7k Ω

Gain
54 dB to 14 dB

Nominal Output Level
-10 dBu, balanced, Z=300 Ω

Power Requirements:
4001: 14 VAC, 200 mA
4002: 14 VAC, 450 mA
4003: 14 VAC, 1 A

Dimensions:
4001: 1.72" (43.7 mm) high, 8.5" (215.9 mm) wide, 3.4" (86.4 mm) deep
4002: 1.72" (43.7 mm) high, 12.25" (312 mm) wide, 3.4" (86.4 mm) deep
4003: 1.72" (43.7 mm) high, 19.0" (483 mm) wide, 3.4" (86.4 mm) deep

Weight:
4001: 2.1 lb. (0.953 kg)
4002: 2.3 lb. (1.043 kg)
4003: 2.4 lb. (1.089 kg)

4010

Frequency Response 30 Hz to 16 kHz
+1, -2 dB

Noise
Interrupt channel
-73 dBu
Non-interrupt channel
-83 dBu

Total Harmonic Distortion
0.5%

Nominal Input Level
Microphone @ line level
-10 dBu/input Z=2k Ω
Program
0 dBu/input Z=2k Ω

Nominal Output Level
To User Stations
-8 dBu/unbalanced, Z=10 Ω
To SA amplifier
-5 dBu/balanced, Z=800 Ω

Crosstalk
From other program inputs
-67 dBu

Between left & right channels
-64 dBu

Mains Power Consumption 120 VAC, (240 VAC version available),
50/60 Hz

45 volt-amps
Dimensions

1.72" (43.7mm) high, 19" (483mm) wide, 15.6" (395mm) deep
Weight
10.4 lbs. (4.7kg)

IFB-325

Supplied Power Requirements:
32 VDC nominal (standard RTS line). 50 to 80 mA

Dimensions:
5" (127 mm) high, 3.5" (88.9 mm) wide, 1.8" (45.7mm) deep
Weight:

1.0 pounds (0.45 kg)

Environmental Requirements:

Storage: -WC to 80T 0% to 95
Humidity: non-condensing
Operating: PC to 50T 0% to 95%
Humidity: non-condensing

Earset:
150 to 600 $\frac{1}{2}$ headphones

RTS Intercom Channel:
Input Level: 2 Vpp (0 dBu) nominal
Input Impedance: 200 $\frac{1}{2}$ \pm 5%

Noise Contribution:
Less than -60 dB on the line

Voltage Gain:
27 \pm 3 dB from the line

Maximum Output:
165 mW into 150 $\frac{1}{2}$

Frequency Response
250 Hz to 8kHz +1/-4dB

Headset Connector
Type: $\frac{1}{4}$ " Monaural Plug
Sleeve: Headset audio low
Tip: Headset audio high
Intercom Channel Connectors

Type: XLR-3F
Pin 1: Common
Pin 2: Intercom channel 1 (audio and +32 VDC input)
Pin 3: Intercom channel 2 (audio)

4030

Power Consumption
150mA maximum

Dimensions:
5" (127 mm) high, 3.5" (88.9 mm) wide, 1.8" (45.7 mm) deep
Weight:

0.67 lb (303 g)

Earset Connector
 $\frac{1}{4}$ " (6.3mm)

Ordering Information

4001 • IFB 4 position control station for 4 IFB, 1SA •
Catalog Number: 9000235900

4001 RMA • Rackmount adapter for 4001 • Catalog
Number: 90002610002

4002 • IFB 8 position control station for 8 IFB, 2SA •
Catalog Number: 9000236100

4002 RMA • Rackmount adapter for 4002 • Catalog
Number: 900026100001

4003 • IFB 12 position control station for 12 IFB, 3SA •
Catalog Number: 9000236300

4010 • Central IFB electronics station • Catalog
Number: 9000236500

4030 • Portable two channel IFB user station •
Catalog Number: 90007489000

IFB-325 • Portable single channel IFB beltpack with
 $\frac{1}{4}$ " jack • Catalog Number: 90007488000

This specifications information is preliminary and is subject to change without notification.

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