MODEL 1073A QUICK SETUP GUIDE

▲ **ARBITER SYSTEMS**

Introduction

This document covers the basics of getting the Model 1073A unpacked, installed and running. For complete details covering the Model 1073A, please consult the operation manual available for download from www.arbiter.com, or purchase a printed copy through Arbiter Sales.
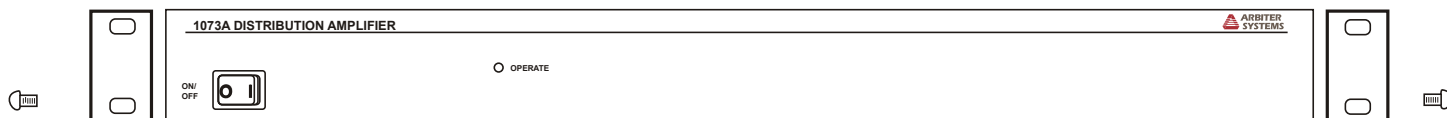
Unpacking

Several accessories included with the clock are located inside the packing material. A rack-mount kit (AS0028200) accompanies every Model 1073A, and versions with Option 07 power inlet have a power cord for the specific country. Inlet Option 08 and 10 do not come with a power cord and must be wired directly.
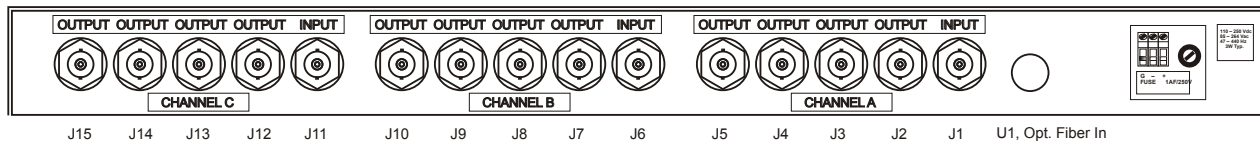
Attaching Mounting Hardware

Each rack-mount ear is attached with two M5x10 mm pan head screws; one rack-mount ear on each side of the clock. To mount them, first remove the two pan head screws securing the clock cover on one side of the clock. Place a rack-mount ear against that side of the clock, as show below. Insert the two screws on that side of the clock and tighten. Repeat with the other rack-mount ear on the opposite side.

NOTE: Mount screws through lower set of holes.

Configuring Operation

Your Model 1073A comes with default settings so that each input drives the four outputs for each channel separately: Channel A input drives the four Channel A outputs, Channel B input drives the four Channel B outputs, and Channel C input drives the four Channel C outputs. To configure the operation differently from the default settings, please consult the operation manual, either as a free download from www.arbiter.com, or by ordering a printed manual from Arbiter Systems.

If you want to drive all 12 outputs from Channel A input you will need to move jumpers JMP9 and JMP16 from position A to position B.

Rear Panel Layout

The rear panel is arranged in the the following manner, left to right:

- Five BNC type connectors, corresponding to channel C input and outputs.

- Five BNC type connectors, corresponding to channel B input and outputs.
- Five BNC type connectors, corresponding to channel A input and outputs.
- One opening for an optional fiber-optic input connector (Option 01). If not used, it is covered by a plastic hole plug.
- Option 07 provides an IEC-320 power inlet connector with fuse compartment. Options 08 or 10 provide a 3-pole terminal strip and separate fuse holder.
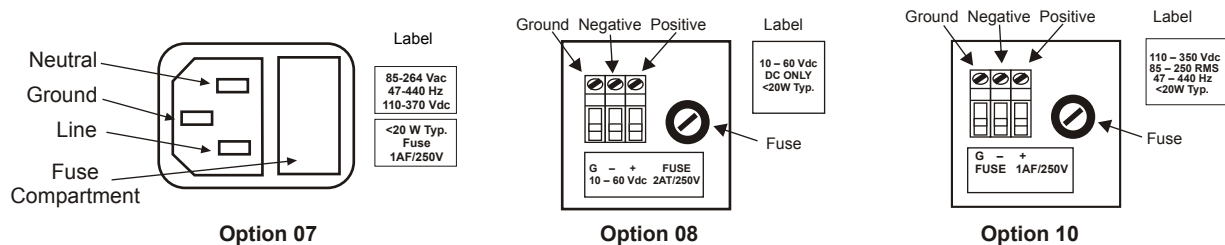
Option 01 – Fiber Optic Input

Option 01 provides an 820 nm, Type ST optical fiber input for channel A. Channels B and C may also be driven from the Option 01 fiber optic input. If your 1073A came with Option 01 installed, only Channel A outputs will be driven by the fiber optic input. To configure Channels B and C outputs to be driven from Option 01 fiber optic input, move jumpers JMP9 and JMP16 from position A to position B. All 12 output channels will then receive the same input signal as provided by Option 01. If you need to configure these differently, please consult the operation manual.

Option 04 – On/Off Switch

Use the On/Off switch to power on the Model 1073A. If your 1073A does not have a On/Off switch the unit will be powered on when you connect power to the inlet connector.

Energizing the 1073A

Before connecting voltages to the clock, make sure to read the power inlet label to verify the correct voltage. Make sure that the voltage you are connecting is in the correct range supplied on the label. The figures shown below indicate the three types of inlet supply connectors available. For Option 07, a fuse is located behind a snap-fit latch on the right side of the connector. For Options 08 and 10, a fuse is located to the right of each power inlet terminals.

Option 07   **Option 08**   **Option 10**

Additional Help

For complete details concerning the setup and operation of the Model 1073A, please go to www.arbiter.com and download the operation manual from the Model 1073A product page. A printed manual (AS0045800) is also available for purchase. See the contact information for Arbiter Systems[1].

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[1]Arbiter Systems, Inc. · 1324 Vendels Circle Suite 121 · Paso Robles, CA 93446 · USA · 1.805.237.3831 · 1.800.321.3831 · E-mail: sales@arbiter.com · techsupport@arbiter.com · Internet: www.arbiter.com