Digital Alert Systems

Model 631A Program Timer Jr. Instruction Sheet

Specifications

Video
>70 dBmV @ 100 MHz.
>45 dBmV @ 450 MHz

Stereo Audio
DPDT w/screw terminals

Clock Accuracy
±1 sec per day @ 20°C

Battery Backup
1.5 VDC AA

Power Requirement
100-240 VAC ±2%, 50/60 Hz.
Power pack output; +12 VDC

Physical
2.00"H x 4.25"W x 6.50"D

Description
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Program Timer Jr. provides 2x1 (AB) balanced stereo audio follow video switching by timed commands. Six 'ON' and six 'OFF' instructions may be stored in the timer's memory. NO & NC contact actions are also provided with each timed switch . The test button, under the 'h+' and 'm+' Buttons, is used to manually change the status of the 2x1 switch.

Installation
1. Remove the four screws on the cover of the 631A and install a AA battery in the holder on the underside of the PC board. Re-install the cover screws.
2. Connect your main stereo audio/video source to the primary inputs.
3. Connect your alternate stereo audio/video source to the secondary inputs.
4. Connect the 631A's stereo audio/video outputs to your equipment's inputs.
5. Connect the furnished power supply's **WH** wire to the +12 VDC on the 631A, and the **BK** wire to **GND**.
6. Apply AC power, the display will show 'OFF' and '00:00'.

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Setting the Clock

When power has been applied to the 631A, the display will come on showing 'OFF' and '00:00'.

To set the day of the week, hold down the clock symbol '⏰' button, and push the **'Day'** button until the proper day of the week is set.

Then, while still holding down the clock symbol button, push the **'h+'** button until the proper hour is set, and then push the **'m+'** button until the proper minute shows. Two models of timers may be used. If the colon between the hour and minutes stops blinking when the timer button is pushed, the timer starts when this button is released. If the colon continues to blink, then the timer starts at 0 seconds when the **'m+'** switch is pushed.

Programming

There are 6 **'ON'** and 6 **'OFF'** programmable instructions for the 2x1 switch. Each press of the 'Timer' button steps
through them, from 1 **'ON'** to 6 **'OFF'**.

To make one of the program instructions active, enter the hour and minutes desired with the **'h+'** and **'m+'** buttons.

Then press the '**Day**' button. This selects which of the individual days or day groups you wish: Monday through Friday, Saturday/Sun-day, or Monday through Saturday. If you wish the programmed in-struction to be done every day, do not enter a day selection.

When all instructions have been entered, press the clock symbol which will again display the time and day of week.

> **Note:**
> If an **'ON'** or **'OFF'** instruction both occur at exactly the same time and day, the **'OFF'** instruction will be executed and the **'ON'** instruction will be ignored.

Deleting Programs

An instruction is erased by incrementing the 'h+', 'm+', and 'Day' buttons to restore the horizontal (null) lines.

> **Note:**
> Momentarily pressing the **'Reset'** detent will eliminate all program data from the unit as well as eliminating the time setting. The **'Reset'** detent has the same effect as removing all power (including the battery) from the unit.

Operation

The 631A's primary inputs are normally connected to the common outputs. It remains in this state until an 'ON' instruction is received from the timer. This will connect the secondary inputs to the common until an 'OFF' instruction from the timer is received.

Maintenance

The internal battery pro-vides a minimum of eight hours of memory back up. Replace the battery at least once a year, or more often depending on usage.

WARRANTY

Digital Alert Systems, Inc. warrants to the owners, each instrument and sub-assembly manufactured by them to be free from defects in material and workmanship for a period of one year after shipment from factory. This warranty is applicable to the original purchaser only.

Liability under this warranty is limited to service, adjustment or replacement of defective parts (other than fuses or batteries) on any instrument or sub-assembly returned to the factory for this purpose, transportation charges prepaid.

This warranty does not apply to instruments or sub-assemblies subjected to abuse, abnormal operating conditions, or unauthorized repair or modification.

Since Digital Alert Systems, Inc. has no control over conditions of use, no warranty is made, or implied as to the suitability of our product for the customer's intended use.

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In the event of a breach of the foregoing warranty, the liability of Digital Alert Systems shall be limited to repairing or replacing the non-conforming goods and/or defective work, and in accordance with the foregoing, Digital Alert Systems shall not be liable for any other damages, either direct or consequential.

RETURN POLICIES AND PROCEDURES FOR FACTORY REPAIR

Return authorization is required for factory repair work. Material being returned to the factory for repair must have a *Return Material Authorization* number. To obtain an RMA number, call 585-765-2254 and ask for Customer Service.

Material returned to the factory for warranty repair should be accompanied by a copy of a dated invoice or bill of sale, which serves as a proof of purchase for the material. Serial numbers and date codes on our products also serve to determine warranty status. Removal of these labels or tags may result in voiding a product's warranty.

Repairs will be returned promptly. Repairs are normally returned to the customer by UPS within 10 to 15 working days after receipt by Digital Alert Systems, Inc. Return (to the customer) UPS charges will be paid by Monroe Electronics on warranty work. Return (to the customer) UPS charges will be prepaid and added to invoice for out-of-warranty repair work.

RETURN OF REPAIRED ITEMS:
Factory repairs will be returned to the customer by the customer's choice of FedEx, DHL or UPS. Warranty repairs will be returned via UPS ground. The customer may request accelerated shipping via the previous mentioned carriers for both warranty and non-warranty repairs. **NOTE:** Accelerated transportation expenses for all factory repairs will always be at the expense of the customer despite the warranty status of the equipment.

FACTORY REPAIRS TO MODIFIED EQUIPMENT:
Material returned to the factory for repair that has been modified will not be tested unless the nature and purpose of the modification is understood by us and does not render the equipment untestable at our repair facility. We will reserve the right to deny service to any modified equipment returned to the factory for repair regardless of the warranty status of the equipment.