

## 1462/1463 MASTER TIME PROGRAMMER

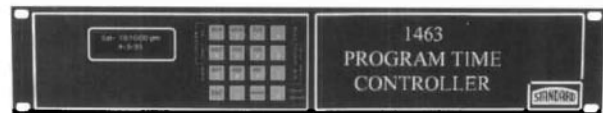
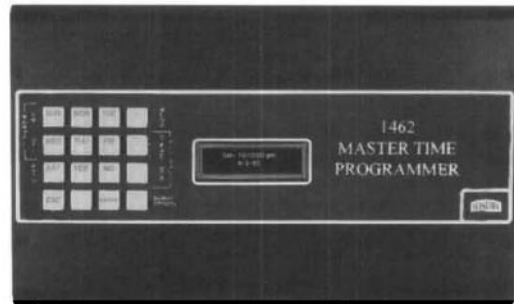
### Features

- Microprocessor Based
- 1 Independent Clock Drive Circuit
- Controls Sync / Impulse / Digital Clocks
- 2 Bell Auxiliary Circuits
- Field Expandable to 6 Circuits
- Integral Power OffTime Accumulator
- 2,100 Total Event Capacity
- Bell Duration Programmable by Event
- 10 Different Alternate Schedules
- 32 Alternate Schedule Dates (Holiday, etc.)
- Automatic Daylight Saving Adjust
- Perpetual LeapYear Calendar
- Simple Menu Driven Programming
- (1) RS232 Port (optional)
- Built in Diagnostics
- 10 Year Time Keeping Battery
- Selectable Line Frequency (50/60 Hz)
- Line Frequency / Quartz Time Base
- U.L. Listed

### Description

The 1462 is capable of synchronizing impulse, digital and synchronous secondary clocks as well as providing automatic and manual operation of auxiliary control circuits. The unit uses the power line frequency to insure accurate time keeping. In areas where the line frequency is unreliable, a quartz series also provides field-enabled, completely automatic adjustment for Daylight Savings. The ProgramTime controller is powered from a 120VAC 50/60Hz supply. However, in the event of a power outage the 1462 series is capable of providing time keeping functions for a period of 10 years.

The 1462 series will accommodate programming for a total of 300 events per day. Each event can be programmed to occur on any or all days of the week. Up to 10 different alternate schedules (holiday, shortened class schedule, summer, etc.) may be programmed into the ProgramTime Controller. Thirty-two alternate Schedule Days (holiday, etc.) dates can be scheduled to occur up to 100 years in the future. On these special days any one of the 10 alternate schedules may be selected to run on that day. The alternate schedules may also be enabled manually on any day. When an alternate schedule is enabled either manually or automatically the schedule will revert back to the main schedule at 12:00 Midnight. In addition, any one of the 10 schedules can be selected to act as the main Program at any time.



Programming is menu driven and is easily accomplished using the 16 point English / Numeric keypad while being prompted by the 32 character LCD display. Scan functions are available to review and verify events in chronological order. Keypad access may be limited to three different levels (Schedule, General and Technician). Self-diagnostic routines are accessible only in the Tech access level.

Two Bell / Auxiliary circuits are standard. Each has the capability to control either signaling or utility devices. Oversized relays are used to assure very long life. Each is rated at 8 amps, inductive (30 amps resistive) (DRY, N.O.). Signal duration is field programmable from 1-60 seconds. Durations are programmable on a per event basis. Manual activation of Bell / Auxiliary circuits is accomplished with a single keystroke. One additional four (4) circuit module (cat #1464) may be added bringing the total circuit capacity to 6.

The 1462 series also features one independent clock correction circuit for control of most commercially available clocks. This circuit is field programmable and includes the ability to manually advance the secondary clocks. An optional RS232 port is available for sending time information to other equipment.

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## Ordering Information

1462 Surface Mount Unit  
7 7/32" H x 12" W x 3 3/4" D  
(18.3cm) H x (30.5cm) W x (9.5cm) D

1463 Rack Mount Unit  
3.5" H x 19" W x 12" D  
(8.89cm) H x (48.26cm) W x (30.46cm) D

## Options

1464 Bell/Auxiliary Circuit Adder This module adds an additional (4) 8 Amp circuits to the master clock for bell and auxiliary circuits. Contacts are DRY, N.O.

1466 Master to Master Synchronization Option In situations where it is necessary to have multiple Master Time Programmers synchronized together, this option must be added to each of the Master Time Programmers on the system. An external 12VDC power source is necessary for this option to function.

1468A RS 232 Port (1) RS 232 port on the Master Time Programmer provides transmission of date & time data (in ASCII format) to other RS232 compatible devices.

## Specifications

### Input Power

120VAC 50/60 Hz. 2 amp.

### Clock Circuits

1 Independent Circuit  
Circuit Ratings  
3 Amp Inductive 28VDC/120VAC  
(10 Amp Resistive)

### Bell/Auxiliary Circuits

2 Circuits Standard – 6 Maximum

### Contact Ratings

8 Amp Inductive (30 Amp Res) 28VDC/120VAC  
DRY, N.O. Contacts

### Alternate Schedule Capacity

10 Schedules

### Bell Duration

1 – 60 Seconds, set PER EVENT

### Event Capacity

2,100 Total Events (300 events per day)

### Time Base

Selectable between Line Frequency or Quartz

### Time Base Accuracy

Line Frequency – determined by source

Quartz Crystal – 100 PPM

### Holiday Capacity

32 Days

### Ports

(1) RS232-D (optional)

### Display

32 Character LCD w/LED Backlight

### Keypad

English/Numeric 16 Button  
Programming Functions  
Manual Bell Ring Function  
Manual Advance for Clocks  
Programmable Single Step All Call



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