TIME CONTROL EQUIPMENT

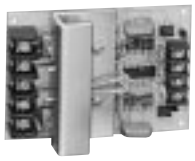
2422 Digital Secondary Clock with Elapsed Timer

MODEL 2422 - SURFACE MOUNT

An Ideal Digital Electronic Clock Including Provisions for Accurate Elapsed Timekeeping

Ceiling Mounted Using 2434 Kit

Wall Mounted Using 2434 Kit



2417 Adapter Module

2415/2416 Power Supply

MODEL 2421 - FLUSH MOUNT

FEATURES

- **Surface-Mount Unit (also available in flush-mount model)**
- **12-Hour Display (readily changed to 24-hour display**
- **Automatic Correction every 24 Hours from Master Clock**
- **Automatic Correction When Time is Set on Master Clock**
- **Automatic Correction After Power Failure**
- **Automatic Daylight Savings Updating through Master Clock**
- **Power and Correction Circuits Operate from One Pair of Wires**
- **Exceptionally Legible Super-Bright Display**
- **VERSATILE PERFORMANCE: Serves as a Digital Secondary Clock, and Accurate Digital Elapsed Timer, a Digital Countdown Timer, or a Digital Stand-Alone Clock.**
- **Ideal for Use in Hospitals (for Timing Applications in Operating Rooms and in Intensive Care Units)**
- **Useful in Schools for Timing Academic Tests, Experiments, Debating Events, etc.**

SPECIFICATIONS

Type: Digital, surface-mount
Display: 4-digit, 7-segment red LED
Character Height: 1.8" (4.57 cm)
Character Width: 1" (2.54 cm)
Power Requirements:
60mA from 120V AC, 50/60 Hz source,
300mA from 24V AC, 50/60 Hz source
Dimensions:
10-3/4" (27.3 cm) wide, 5-1/4" (13.33 cm) high, sloping front 2-3/8" (6.03 cm) at top, 1" (2.54 cm) at bottom
Weight: 1.2 lbs. (.545 kg)

Associated Equipment:
All Rauland 2400 Master Clocks
2415 Power Supply (accommodates up to 25 2422/2421 surface/flush digital clocks operating at 24V AC
2416 Power Supply (accommodates up to 25 2420/2421 clocks operating 120V AC)
2417 Adapter Module (required for correction in time control systems using both digital and analog secondary clocks)
2420 Digital Clock/Elapsed Timer Module
2421 Digital Clock Flush-Mount Model
2423 Elapsed Timer Switch Kit
2434 Double-Faced Clock Mounting Kit

DESCRIPTION

The Rauland 2422 Surface-Mount Digital Secondary Clock is designed for use in Rauland 2400 Series Master Clock Systems. It serves also as a “Stand-Alone” Clock and as an accurate Electronic Timer when used with the appropriate set switches.

The 2422 Digital Clock may be operated from either a 120 volt AC source or a 24 volt AC source. The clock has a standard 12-hour display which may readily be field-adjusted to 24-hour display. While intended for 60 Hz operation, the clock may easily be adjusted for 50 Hz use.

DESCRIPTION (continued)

When used in a Rauland 2400 Series Master Clock System, corrections are made automatically as follows:

1. Every 24 hours.
2. Whenever time is set on Master Clock.
3. When power is restored after power failure.
4. Updating when Master Clock is adjusted for daylight savings time.

Only two wires are required for clock operation and correction.

The 2422 Digital Clock may be used in time control systems which intermix digital and analog secondary clocks, such systems may be corrected by Rauland Master Clocks; the use of the Rauland 2417 Adapter Module is required in such systems.

The 2422 Digital Secondary Clock is designed for easy surface mounting. The completely assembled unit is housed in an attractive black Cycolac® case which easily snaps apart for wiring and mounting. The clock display is remarkable for its extreme legibility, even at distances up to 60 feet (18.28 m); the viewing angle is a broad 120°, featuring bright red LED numerals which are a full 1.8" (4.57 cm) tall, and 1" (2.54 cm) wide.

Operation as a "Stand-Alone" Clock: This function is accomplished by simply adding a power cord and set switches for "fast" and "slow" set (no dedicated line to the master clock is required).

Operation as an Elapsed Timer: Requires the use of the Rauland 2423 Switch Kit to provide "Count/Hold" and "Reset" functions. Counts up to 99:59 (hours/minutes). Counts minutes and seconds to one hour; then shows hours and minutes with an overflow LED.

Operation as a Countdown Timer: Requires the use of the Rauland 2423 Switch Kit, and switches for "fast" and "slow" set. Counts down from 99:59 (minutes/seconds). An Alarm output is activated when countdown reaches 00:00; output may be used to directly drive a Sonalert device.

This unit is not recommended for placement in direct sunlight or in areas with extremely high ambient light conditions.

Specifications subject to change without notice.

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