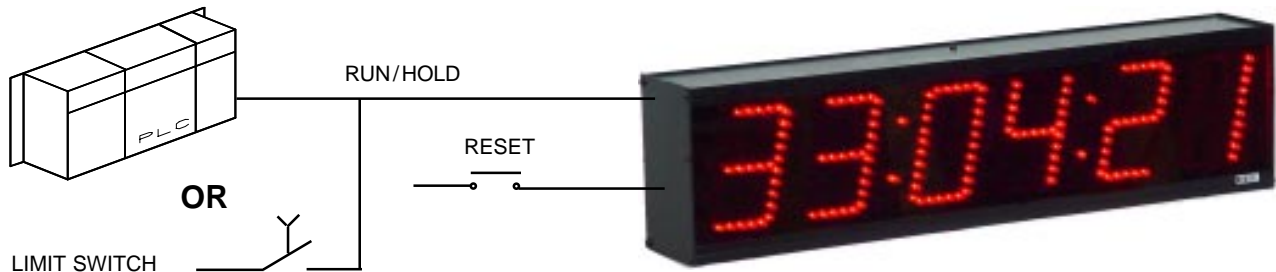


# RUN TIME ACCUMULATOR

## AE SERIES - OPTION 373



***Monitor Production Line Down Time,  
Machine Run Time, or Cycle Time.***

***Displays Elapsed Time up to 99:59:59***

Two inputs are required: **Run/Hold** and **Reset**.

Easily connects to a variety of input devices including:  
control switches, photo-electrics, limit switches, and 24 Volt - PLC outputs.

Isolated inputs allow for long wire hookup, up to 1000 feet away.

Adapts to all types of signals such as Dry contacts, TTL signals, and  
6 to 120 VDC or 12 to 120 VAC control signals.

Accumulates elapsed time in any combination of hours, minutes and  
seconds when the **Run/Hold** signal is applied. **Reset** sets the display to zero.

Retains accumulated time on power outages,

Provides 12 to 15 VDC (50 mA) output for powering sensors.

Available for all 2, 3, 4, 5, and 6 digit *AE Series Displays*

*AE SERIES DISPLAYS* are available with: 1", 2.3", 4", 8", and 12" High Digits.

***Visible from 5 feet to 500 feet away...***

**TWO YEAR WARRANTY**



**APPLIED  
TECHNICAL  
SYSTEMS**

**800-444-7161**

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## DESCRIPTION

Option 373 provides an elapsed time accumulator function for the AE Series of Process Indicator Displays. They are available in 1, 2, 3, 4, 5, and 6 digit versions with digit sizes ranging from 1 inch high to 12 inches high. Standard signal types for RUN/HOLD and RESET include: dry contacts from limit switches, proximity detectors, or relays; DC Voltage Signals from PLC's, TTL Outputs (NPN or PNP) from instruments and detectors; and AC Voltage Signals from PLC's or other control equipment. The opto-isolated inputs allow the controls to be up to 1000 feet away from the display.

For multiple display systems, the Master/Driver Option (348) can be added. This option allows you to connect up to 40 remote displays to the AE Series Process Indicator for displaying the same ELAPSED TIME in many locations.

APPLICATIONS: Monitor and display: "Production Down Time", "Production Up Time", "Machine Cycle Time"

## SPECIFICATIONS

INPUTS: The RUN/HOLD and RESET inputs are opto-isolated for long wire hookups. They can be set up for a variety of signal types.

RUN/HOLD INPUT: Elapsed time accumulates when this signal is applied. Elapsed Time stops and holds when this signal is absent. Elapsed Time count resumes when this signal is re-applied. Counts up to 99:59:59 (HH:MM:SS) and rolls over to 00:00:00. Requires dry contact, DC voltage from 6 VDC to 120 VDC, or AC voltage from 12 VAC to 120 VAC, 3mA maximum (specify with order).

RESET INPUT: Resets elapsed time count to 00:00:00 when present. Requires dry contact, DC voltage from 6 VDC to 120 VDC, or AC voltage from 12 VAC to 120 VAC, 3 mA maximum (specify with order). Duration must be greater than 20 msec. RESET overrides the RUN/HOLD input.

BATTERY: Rechargeable NI-CAD battery back-up retains elapsed time count during power outages.

OUTPUT: Optional 12 to 15 VDC, 100 mA output for sensor power.

## ORDERING INFORMATION

Most AE Series Displays are configured to your specifications at the time of your order. Their modular design allows them to be constructed from Off-The-Shelf components and assemblies in quick order.

Choose the desired type, size, number of digits, and other requirements from the AE Series Large Display brochure. Adding "373" to the end of the model number indicates the Run Time Accumulator Option is installed.

SPECIFY INPUT SIGNAL: \_\_\_\_\_ RESET SIGNAL: \_\_\_\_\_

ELAPSED TIME RANGE: \_\_\_\_\_

**FOR ASSISTANCE CALL 800-444-7161**