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5350

hubbell industrial controls, inc.

## STATIC IN-LINE TIMER

April 2007 Schedule E64 (FD)

### **Features**

- Solid state design
- Totally encapsulated assembly
- Shock and vibration resistant
- Wide range ambient temperature operation
- AC or DC operation
- Adjustable timing range

## Description

The Bulletin 5350 Static In-Line Timer is a solid state timing unit for use in AC or DC contactor and relay control.

The timing unit is a series control element having an adjustable timing range. Two units are available. One with a timing range of .5 to 3.0 seconds, another with a timing range of 2.5 to 16.0 seconds.

The transient protected solid state circuitry is molded into an impact resistant enclosure. The solid state timer will operate satisfactorily in a heavy industrial environment characterized by extremes in temperature, shock, vibration and electrical noise.

# Application

The Static In-Line Timer is used as a series timing control element in applications where a timed "ON" delay after energization is required for AC or DC contactor or relay coils.

The timer provides a time delay after the application of the operating voltage to the control circuit in which the timer is inserted. The timing range is field adjustable by integral potentiometer.

A typical application is in timing requirements for contactors or relays used in crane and mill auxiliary drives.

For proper operation during timing a minimum holding current is required as shown in the specifications. When timing a relay with an operating current below the minimum holding current, a resistor is connected in parallel to the relay coil to raise the effective load current.



# **Specifications**

#### **CONTROL CAPABILITIES**

Timing ranges (-001 assembly) (-002 assembly) (-003 assembly)

Timing adjustment

Current and temperature ratings

Reset time Power input

"ON" resistance at 1A Internal impedance during timing Minimum holding current ac & dc

#### **MECHANICAL**

Maximum wire size per terminal Weight

0.5 to 3.0 sec. 2.5 to 16.0 sec. .08 to .75 sec.

By Potentiometer, CW increasing

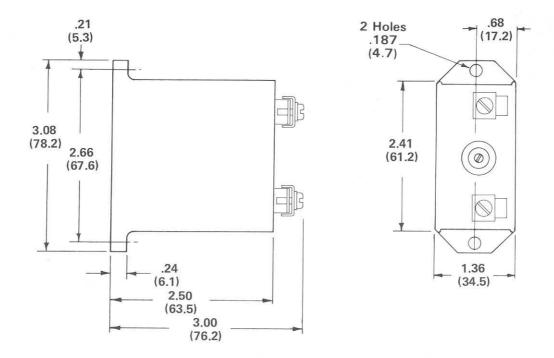
1.5A dc, 1.0A ac @ -40° to 25°C (77°F) 1.0A dc, 0.7A ac @ 55°C (132°F) 0.6A dc, 0.5A ac @ 80°C (175°F)

10 to 15 ms Series connected load 24 to 250V AC or DC

 $1\Omega$ 20k  $\Omega$ 

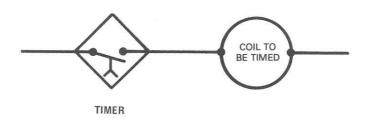
.07A @ -40°C (F) .04A @ 25 to 80°C (77° to 175°F)

2 #12 wires 7 oz. (.2 kg) approx.



**DUAL DIMENSIONS: INCH (MILLIMETER)** 

## OUTLINE DIMENSIONS (Not for construction)



## TYPICAL WIRING DIAGRAM

PART NUMBER	TIMING RANGE	LIST PRICE E64
5350-48424-001	0.5 to 3.0 seconds	\$375
5350-48424-002	2.5 to 16 seconds	\$375
5350-48424-003	.08 to .75 seconds	\$375

Prices Are Subject To Change Without Notice.



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