hubbell industrial controls, inc.

CATALOG
5350
January 2021, Replaces October 2015
Schedule 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.

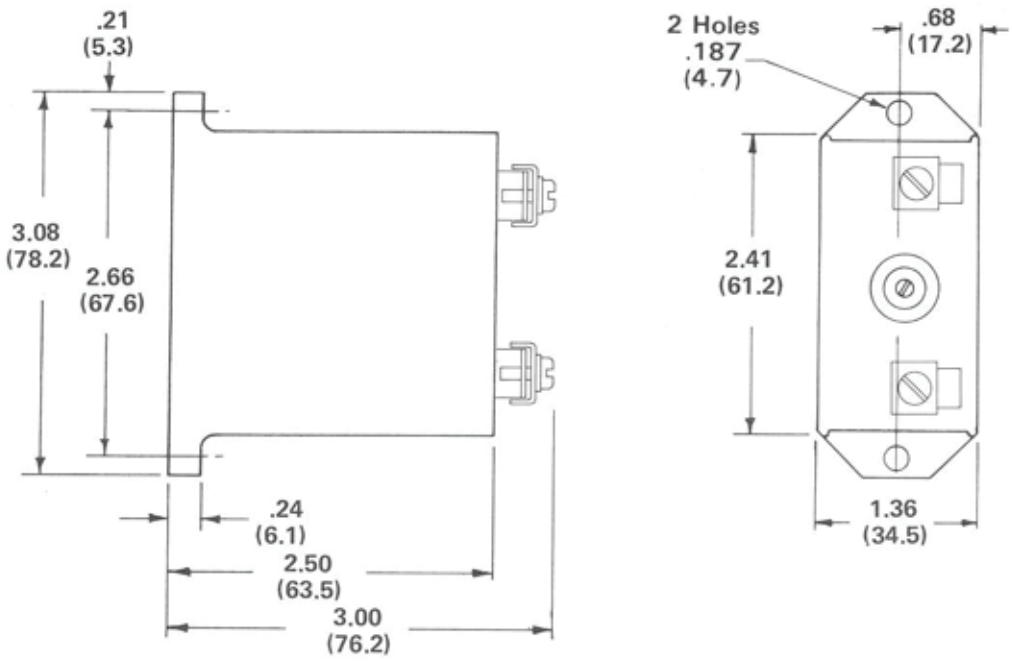
Specifications

CONTROL CAPABILITIES

Timing ranges (-001 assembly)	0.5 to 3.0 sec.
(-002 assembly)	2.5 to 16.0 sec.
(-003 assembly)	.08 to .75 sec.
Timing adjustment	By Potentiometer, CW increasing
Current and temperature ratings	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)
Reset time	10 to 15 ms
Power input	Series connected load 24 to 250V AC or DC
"ON" resistance at 1A	1 Ω
Internal impedance during timing	20k Ω
Minimum holding current ac & dc	.07A @ -40°C (F) .04A @ 25 to 80°C (77° to 175°F)

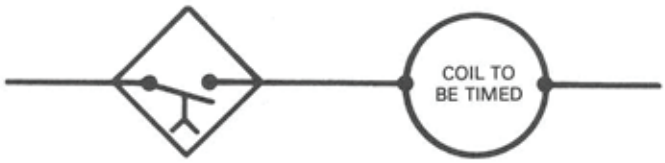
MECHANICAL

Maximum wire size per terminal	2 #12 wires
Weight	7 oz. (.2 kg) approx.



DUAL DIMENSIONS: INCH (MILLIMETER)

OUTLINE DIMENSIONS
(Not for construction)



TIMER

TYPICAL WIRING DIAGRAM

PART NUMBER	TIMING RANGE	LIST PRICE SCH FD
5350-48424-001	0.5 to 3.0 seconds	$916
5350-48424-002	2.5 to 16 seconds	$916
5350-48424-003	.08 to .75 seconds	$916

Prices are subject to change without notice.

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Hubbell Industrial Controls, Inc.
a subsidiary of Hubbell Incorporated
4301 Cheyenne Drive, Archdale, NC 27263
Phone (336) 434-2800 · Fax (336) 434-2803
www.hubbell.com/hubbellindustrialcontrols/en
Sales@hubbell-icd.com