



Modern, high quality timer housed in industry standard patented plug-in housing



The Eagle Signal brand Series HP5E CYCL- FLEX timer is a modern, microprocessor based reset timer housed in the standard CYCL- FLEX plug-in enclosure. Timing progress is indicated by a LED array that displays remaining time interval. Its 5.20 inches circumference calibrated dial is easy-to-read with well defined resolution increments on all ranges. The 15 terminal ABS (U. L. rated 94V-0) molded housing has high impact resistance and will not support combustion.

- 16 standard time ranges from 5 seconds to 60 hours
- Knob adjustable time ranges and LED progress indicator
- Pilot light indicates when timer is active
- Optional reverse action mode will not reset on power failure
- 15 terminal ABS (UL rated 94V-0) molded housing has high impact resistance and will not support combustion

SPECIFICATIONS

Time Ranges

Sym.	Dial	Minimum Setting	Dial Divisions	Repeat Accuracy
17	5 Sec.	1/5 Sec.	1/5 Sec.	±.05 Sec.
15	10 Sec.	1/5 Sec.	1/5 Sec.	±.05 Sec.
14	15 Sec.	1/2 Sec.	1/2 Sec.	±.08 Sec.
0	30 Sec.	1 Sec.	1 Sec.	±1.5 Sec.
1	60 Sec.	1 Sec.	1 Sec.	±3 Sec.
2	150 Sec.	5 Sec.	5 Sec.	±7.5 Sec.
3	5 Min.	12 Sec.	12 Sec.	±15 Sec.
4	10 Min.	12 Sec.	12 Sec.	±2 Sec.
18	15 Min.	1 Min.	1 Min.	±4.5 Sec.
5	30 Min.	1 Min.	1 Min.	±9 Sec.
6	60 Min.	1 Min.	1 Min.	±18 Sec.
7	150 Min.	5 Min.	5 Min.	±45 Sec.
8	5 Hr.	12 Min.	12 Min.	±1.5 Min.
9	10 Hr.	12 Min.	12 Min.	±3 Min.
10	30 Hr.	1 Hr.	1Hr.	±9 Min.
11	60 Hr.	1 Hr.	1 Hr.	±18 Min.

Reset Time: 500 mS at maximum setting

Voltage/ Frequency:

120 V (+10 -15%) 50/60 Hz

240 V (+10 -15%) 50/60 Hz

Power Consumption: 1.5 watts

Contact Rating:

10 Amps Resistive / Inductive @ 120vAC 1/6 HP @ 120VAC

5 Amps Resistive / Inductive @ 240VAC 1/2 HP @ 240VAC

Electrical Contact Lifetime: Average, contingent on load characteristics. Inrush current should not exceed 10 amps.

At full load: 250,000 cycles

At 1 amp load: 5 million cycles

Power On Response:

28 ms average pull-in

17 ms average drop-out

Operating Temperature: -10 to +140 F (-23 to +60 C)

Approximate weight: 1.7 lbs.

Agency Approvals: FM; UL/CUL Recognition E61735

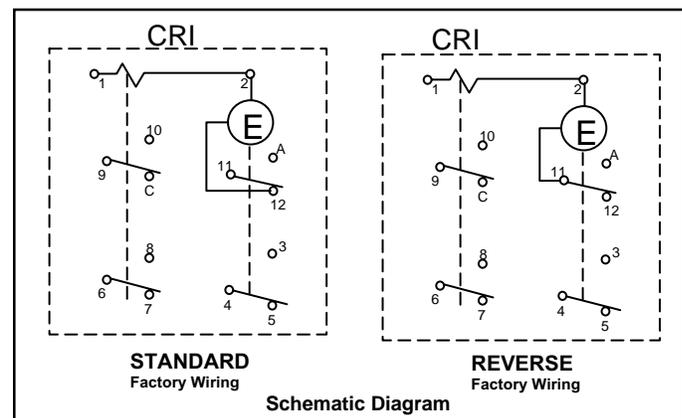
OPERATION (reference Schematic Diagram)

Standard: Instantaneous contacts 9-10-C and 6-7-8 operates directly with power applied to 1, 11(E) and 2. Different operating sequences are possible depending on the control circuit configuration.

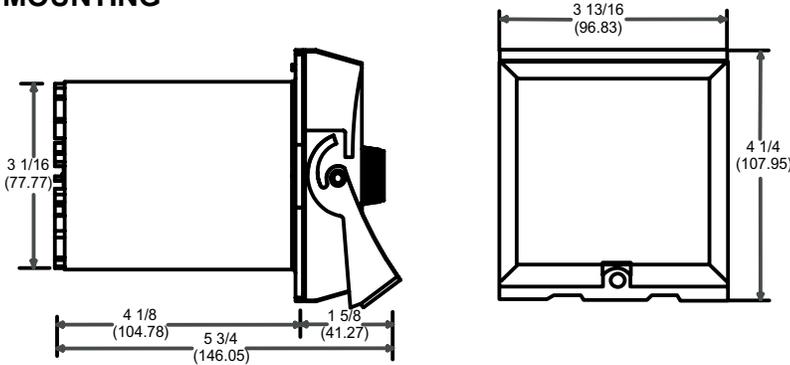
Delayed contacts 4- 3 and 11- A close and contacts 4- 5 and 11- 12 open when timer reaches a timed out condition. Contacts 4- 5 and 11- 12 close and contacts 4- 3 and 11- A open when timer is reset.

Reverse Start: Instantaneous contacts 9-10-C and 6-7-8 operates directly with power applied to 1, 11(E) and 2. Different operating sequences are possible depending on the control circuit configuration.

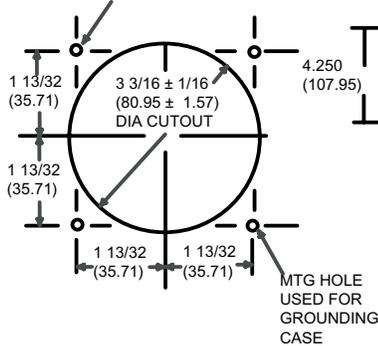
Delayed contacts 4- 3 and 11- A close and contacts 4- 5 and 11- 12 open when timer reaches a timed out position. Contacts 4- 5 and 11- 12 close and contacts 4- 3 and 11- A open when timer is reset.



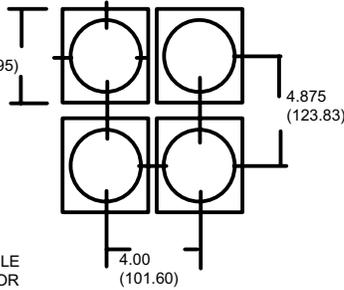
MOUNTING



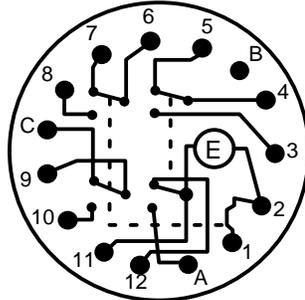
DRILL AND TAP FOUR HOLES FOR 8-32 SCREWS (INCLUDED WITH UNIT)



MINIMUM SPACING



TERMINALS AND WIRING DIAGRAM ON REAR OF TIMER CASE



ENCLOSURES

Model No.	NEMA Class	Description
HN308	1	Surface Mtg. with terminal block
HN364	1	Surface Mtg. without terminal block

ACCESSORIES

Model No.	Description
H-5331	Mounting Brackets (2 required per timer)
HP50-31	One Hole Mounting Ring
HP50-133	Surface Mounting Adapter to use in place of brackets
HP50-295E	Dial Lock

ORDERING INFORMATION

HP5E

15

A6

01

TIME RANGE

Symbol	Description	Symbol	Description
17	0-5 Sec.	18	0-15 Min.
15	0-10 Sec.	5	0-30 Min.
14	0-15 Sec.	6	0-60 Min.
0	0-30 Sec.	7	0-150 Min.
1	0-60 Sec.	8	0-5 Hr.
2	0-150 Sec.	9	0-10 Hr.
3	0-5 Min.	10	0-30 Hr.
4	0-10 Min.	11	0-60 Hr.

VOLTAGE & FREQUENCY

Symbol	Description
A6	120V, 50/60 Hz
B6	240V, 50/60 Hz

FEATURES

Symbol	Description
01	Reverse
07*	Dial Lock
22	Water Resistant Window & Housing

*Dial Lock not available with water resistant housing

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