

INSTALLATION, OPERATION & MAINTENANCE MANUAL

**EDI MODEL
E10CH1**

**MIKROPUL MODEL
72-IC, 132596-A**

**DESCRIPTION
10-POSITION TIMER**

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GENERAL DESCRIPTION:

Our solid state timers are capable of switching from one (1) to ten (10) independent outputs. Each of the outputs has a switching capacity of 1 Amp at 120 VAC. By relocating the program wire from Position #10 (on the Timer) to the number of positions desired, the timer will pulse only from Position #1 through the programmed number.

This is a continuous cycle timer and the pulse rate is set and adjusted by the operator via OFF-ADJ and ON-ADJ potentiometers to preferred time settings. The timer cycling can be stopped or placed on "Hold" by energizing the timer Hold-Off circuit. This is accomplished by applying a 120 VAC signal to the Hold-Off Terminals. Isolation circuitry is incorporated into the timer which allows the Hold-Off function to be accomplished from a remote location.

FEATURES:

- 120 VAC 50/60 Hz, Single Phase
- 1 amp maximum capacity per output
- 1 amp fuse protection
- All solid state industrial quality construction
- Hold-Off capability, either Local or Remote.
- LED indicates timer operation
- Line Surge Protection
- Start on Position 1
- Pilot lamp indicates power on
- Adjustable ON time 50 – 150 ms
- Adjustable OFF time 3 - 60 seconds
- UL Recognized to US and Canadian Standards under File E 60685

MOUNTING & GENERAL WIRING:

1. Each timer is to be mounted in a dust tight and water tight NEMA rated enclosure. Please contact EDI for available enclosure options and pricing.
2. It is recommended that conduit openings/holes be placed in the bottom of enclosure to prevent condensate or moisture from entering the enclosure.
3. Mount the timer enclosure in a vibration-free area. (Use isolators to mount timer to sub plate).
4. Run supply wiring to the timer, 120VAC, 1 Phase, 50/60 Hz from the line circuit protector.
5. Run wiring from the timer to the pilot valve box.

ELECTRICAL WIRING:

1. Connect 120VAC supply to HI (TERMINAL 14) and NEUTRAL (TERMINAL 13).
2. Connect one side of each valve to the COMMON (TERMINAL 11), sequentially.
3. Connect the other side of each solenoid valve to the SWITCHED OUTPUTS (TERMINAL 1 through 10), sequentially.
4. Set OFF ADJ potentiometer to desired time between pulses.
5. Set ON ADJ potentiometer to desired time duration of each pulse.
6. Connect 120 VAC Hold-Off Circuitry if needed to TB 2.

WARRANTY

All timers come with a one year warranty against parts and/or manufacturing defects. Please see our terms & conditions or contact us for additional details.

EVALUATION & REPAIR SERVICE

On timers older than one year, we offer a test and repair lab at our facility. Once received, boards are logged in, evaluated and tested. A report is then sent to the customer with repair and/or replacement options.

To send a board to us for evaluation, please call 704-545-1439 or email info@edi-usa.com to request a Return Authorization.

ENCLOSURES & ACCESSORIES

Need an enclosure for your Timer Board? We stock a wide range of enclosures and can provide any of our Timers and Controls in an enclosure with a 48-hour turnaround available.

Enclosures Construction:

- Mild Steel, Stainless Steel, Fiberglass
- With and Without Viewing Windows

NEMA Ratings

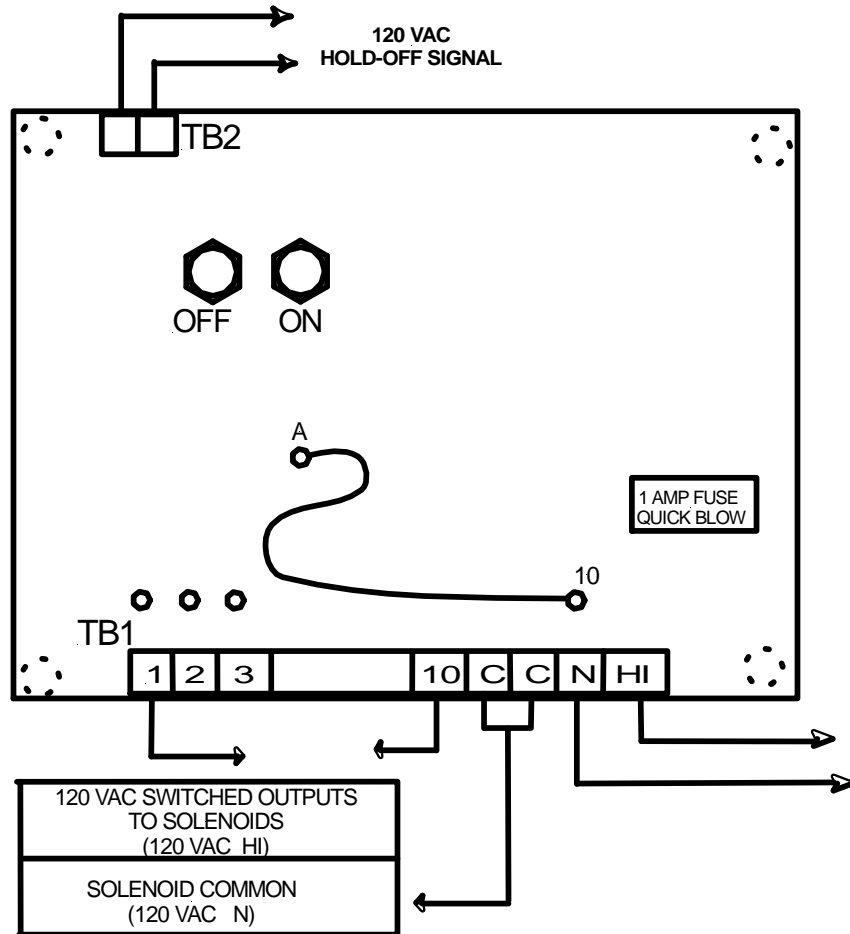
NEMA 1, 4, 4X, 7, 9 and 12 environments

Mounting:

Suitable for wall mount, floor mount or free - standing

Options Available with Enclosures:

- 2 - Way (On/Off) Selector Switches
- 3 - Way (On/Hold/Off) Selector Switches
- Magnehelic Gauge mounted in door
- Photohelic Gauge mounted in door
- Terminal Blocks mounted inside
- Bulk head fittings
- Air tubing and wiring



- NOTES:**
1. Adjust "ON" and "OFF" times on the Timer.
 2. Program wire should be placed in desired output position.
 3. For Hold-Off Mode: Timer starts cycling when HIGH set point is reached and continues until ΔP falls. Signal is from external source.
 4. Use of vibration isolators recommended for mounting timer to back plate.

PLEASE OBSERVE LOCATION OF COMMON, HI, NEUTRAL, AS THIS MAY DIFFER FROM OTHERS.
HOLD OFF REQUIRES 120 VAC.

PHYSICAL DIM.
5.5" X 7"
MOUNTING DIM:
5" X 6.5"

**E10CH1, 10 POSITION TIMER
CONTINUOUS CLEANING WITH
OPTION FOR HOLD-OFF**