



AC Microchron® II Vital Timer Relay

Timer Relay

KB Signaling's AC Microchron® II Timer Relay is AREMA-compliant, using solid state technology to replace both 25 Hz and 60 Hz AC motor timers.



KB SIGNALING™

AC Microchron® II Vital Timer Relay

Key Benefits

- Wide voltage range and selectable time range
- Five-section thumbwheel switch to set time range from 1 second to 19:59.9 minutes in tenth of a second increments.
- Convenient time selection by removing the thumbwheel cover and setting the thumbwheels to the desired setting.
- Highly accurate timing mechanism delivers accuracy within $\pm 0.1\%$ of the time setting with a maximum delay of 0.75 seconds.
- Efficient trouble shooting with deenergized relay with red and green LED indicators visible from the front of the timer.

General Description

The AC Microchron® II Vital Timer Relay is a timing relay mechanism consisting of a timing package and a relay assembly housed within a B2 relay cover. The timer electronics are designed to delay the relay "picking" from the moment power is applied to, at least, the duration set on the thumbwheel switch. The AC Microchron II Vital Timer Relay is vitally designed to prevent time delay interval shorter than what has been set using the thumb wheel switches.



Customer Benefits

Easy Access to Test Terminals

Optional current test terminal are accessible on the plugboard directly under the relay to check current flow to the timer. A voltage test terminal is located on the plugboard next to the current test terminal to for easy access when checking voltage across the timer.

Shock Indication

The 60 Hz and 25 Hz AC Microchron II Vital Timer Relay models are equipped with a shock indicator attached to the relay cover. This shock indicator provides a visual indication when relay has been subjected to a shock or vibration in excess of its rating during shipping and handling. This indication is non-reversible.

Quick, Convenient Installation

Replacement of an AC Motor Timer with an AC Microchron II Vital Timer Relay is quick work due to the common registration plate. This rack installed relay mounts on to a plugboard. No wiring changes are required when upgrading from old to new timers, saving installation timer.

Tamper-Evident Time Seal

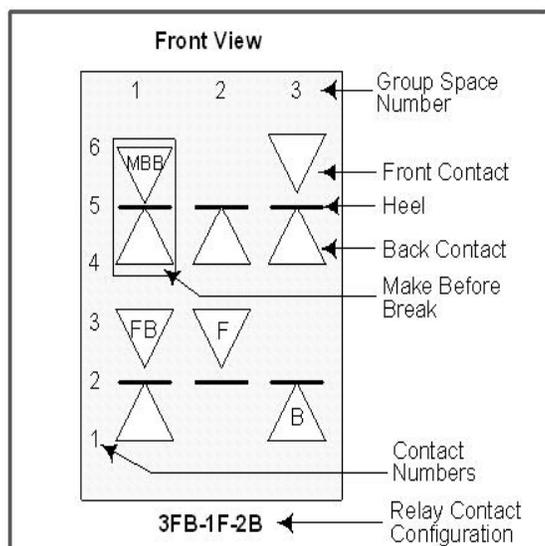
A translucent cover is affixed over the timesetting thumbwheel protects against changes to settings. Thumbnuts secure the clear plastic cover. Changing the timer relay setting requires breaking the wire that passes through the screw threads securing the thumbnuts.

AC Microchron® II Vital Timer Relay

Ordering Information

Relay Contact Config	Power Requirements	Replaces AC Motor Timers	Ordering Information		Replacement Ordering Information				
			Relay Catalog No.	Relay Part No.	Contact Group 1 P/N*	Contact Group 2 P/N*	Contact Group 3 P/N*	Tamper Evident Tag	B2 Plugboards w/ mounting hardware
1FB-3F1 Check	88-135 VAC at 60Hz Nominal 110 VAC at 0.300 A	56007050-01 56007-051-01 56007-060-01 56007-061-01 56007-066-01 56007-067-01 56007-067-02 56007-068-01 56007-068-02	A62-0761	50800-103-01	56012-108-02 2F-1B AgC-S(MD), S-S(HD)	56012-108-06 2FB AgC-S(MD), S-S (HD)	56012-108-02 2F-1B AgC-S(MD), S-S(HD)	Wire Cloth Lead: 32585-001-00	w/ Solder Terminals: 59686-007-12 w/ 16-20 AWG Crimp Terminals: 59686-007-14
1FB-3F1 Check	44-66 VAC at 25-45 Hz Nominal 66 VAC/25 Hz at 0.170 A	56007-062-01 56007-063-01 56007-065-01 56007-069-01 56007-070-01		50800-104-01					

Relay Reference



Notations:

Contact Configurations

- F: Front independent
- B: Back independent
- FB: Front-Back dependent
- MBB: Make Before Break

Contact Ratings

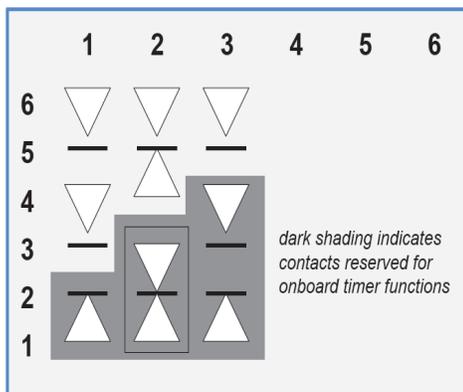
- MD: Medium Duty
- HD: Heavy Duty

Contact Materials

- AgC: Silver-impregnated Carbon (Safety)
- S: Silver

Relay Contact Arrangement

Front View



Contact your KB Signaling Business Development Manager
Call 1-800-825-7090, or Email us at aso.techsupport-kb@alstomgroup.com for more information today

KB Signaling

2712 S. Dillingham Rd
Grain Valley, MO 64029
Phone: +1 800-825-7090
www.kb-signaling.com

 **KNORR-BREMSE**

 **NEW YORK AIR BRAKE**

 **IFE**

 **MERAK**

 **MICROELETTRICA**

 **SELECTRON**

 **EVAC**

 **KB SIGNALING**

 **ZELISKO**

 **RAILSERVICES**
