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Weld-CHRON Arc Weld Timer Operation Manual

There are two components to the Weld-CHRON Arc Weld Timer, the display unit and the sensing unit. The display unit and sensing unit are connected by a cable with a quick connector.

Mount the display unit with the bracket provided where desired. Place the sensing unit on the positive or negative lead of the welding power supply; orientation does not matter.

WELDING MODE

The Weld-CHRON will enter welding mode when the welding current sensed by the transducer exceeds the fixed trigger level, typically 15-20 amps.

During welding, the Weld-CHRON displays the duration of the current weld in seconds. The format of the display is M:SS. The arc symbol in the upper left corner is illuminated during a welding operation.

At the completion of the weld, the display will pause in this state for a few seconds, and then begin to alternate through the cumulative information displays.

Timing Weld

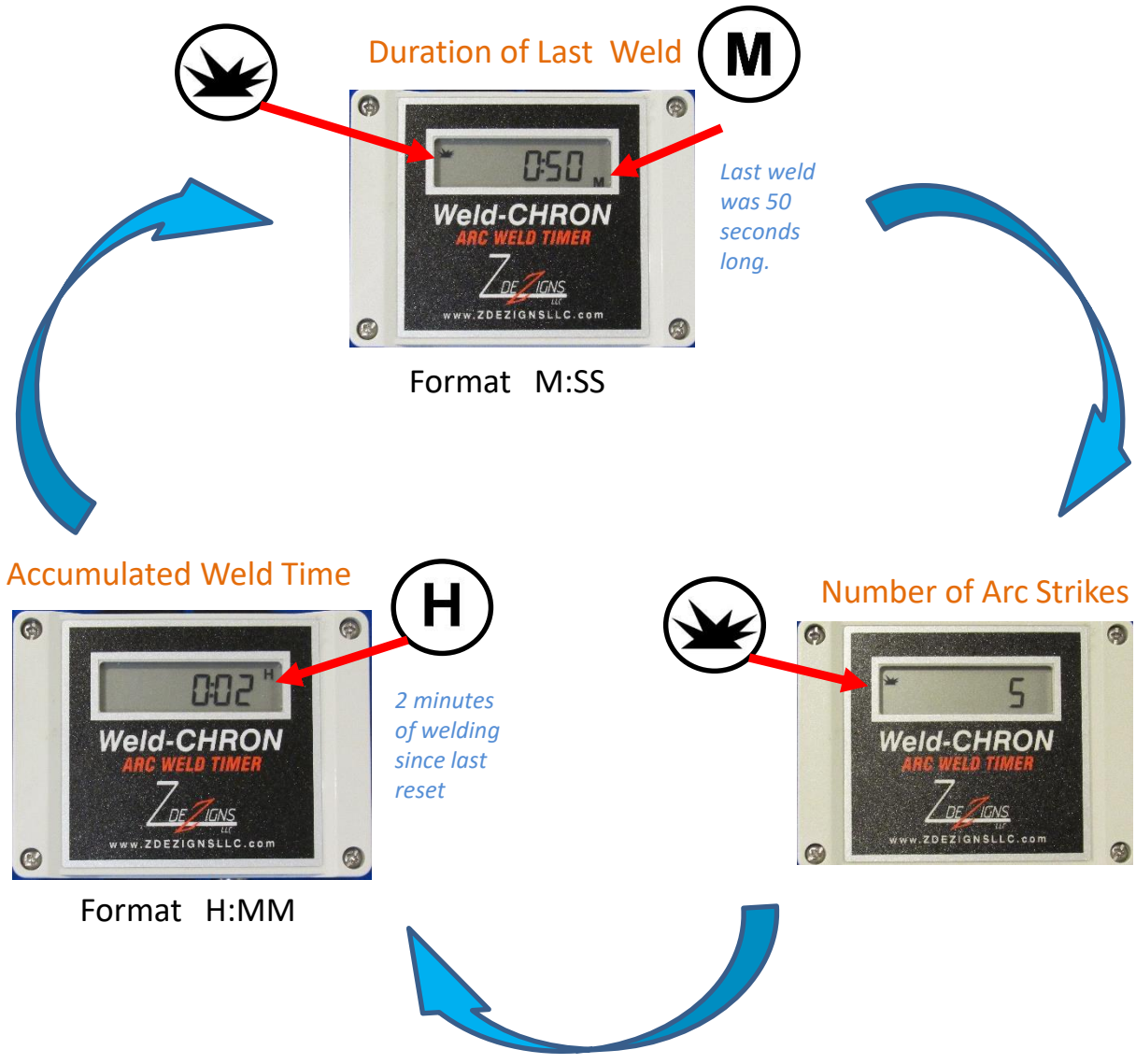
Display shows the duration of the weld being performed, in this example 13 seconds

Format M:SS

NON-WELDING MODE

During non-welding (idle), the Weld-CHRON cycles between three screens:

- Total number of weld strikes since last reset
- Duration of last weld
- Total accumulated arc time since last reset.



RESET

The Weld-CHRON Arc Weld Timer is reset using a key-switch. When reset, all accumulated totals are set to zero.

To reset, insert key-switch and turn it to 90-degrees to the right (CW) for 15 seconds.

BATTERY

The expected battery life is approximately 2-years. As the battery voltage approaches the critical level, the battery symbol  appears.

To replace the battery, loosen the four (4) screws securing the top cover. The screws have retainers, so they should not be completely removed. Lift off the top cover and the batteries will be accessible.

Standard replacement cells are 4X-1.5volt AA Alkaline cells (ANSI-15A / IEC-LR6 or equivalent). As an alternative, enhanced service life may be attained using a lithium based cell such as the Energizer Ultimate Lithium Type L91 (ANSI 15-LF), however the user must take the necessary precautions appropriate for the use of lithium cells.

SENSOR

- 10 ft. Cable
- 1.75 inch ID
- Trigger Current <= 20 Amps

FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
Modifications not expressly approved by the manufacturer could void the user's authority to operated the equipment under FCC rules.

CE – DECLARATION OF CONFORMITY

Manufacturer's Name:	Z-Dezigns LLC
Manufacturer's Address:	11991 Strait Rd, Hanover, Michigan, USA
Product Name:	Weld-CHRON Arc Weld Timer

Z-Dezigns LLC hereby declares under our sole responsibility that the product indicated above is in compliance with the essential requirements of the following directives and specifications:

EU EMC Directive, 2014/30/EU	
FCC Part 15:B	EMC
IEC/CISPR11 – Part A	Radiated Emissions

Signed for and on behalf of Z-Dezigns LLC.

J. Zeiler
Director of Engineering