Controls

Société du Groupe ARO

MICRO 2 X 16 III

WELDING CONTROLLERS

MICRO 2X16 III

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COMPREHENSIVE

FLEXIBLE

USER-FRIENDLY

USER-FRIENDLY INTERFACE

The integrated front panel delivers :

- fast and easy programming
- permanent control of the welding parameters
- display of error messages in clear text
- dynamic display of I/O's and equipment status

The front panel key limits the programming access, while an additional password protects the equipment configuration.

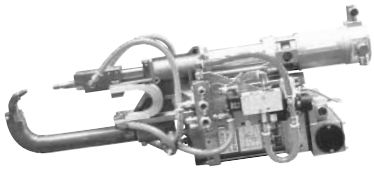
A large choice of languages allows to work in the user's language.

All the 2x16III timers rely on the same, very simple, programming concept, thus reducing the training costs of the welding teams.

COMPREHENSIVE AND FLEXIBLE

Whatever the welding application, there is a perfectly adapted Micro 2x16 III timer available :

- robot gun
- manual gun
- stationary machine
- custom installation



Special Industry versions distinct from the Automotive versions allow the daily use of a perfectly sized equipment for the task at hand.
Of course, the embedded software, stored on Eprom or Flash memory, is upgradeable, so that the equipment is fully evolutive.

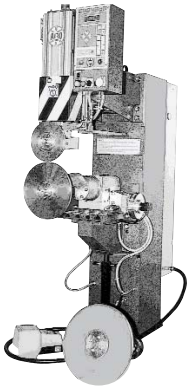
ADVANCED FEATURES FOR ALL THE WELDING REQUIREMENTS

Force monitoring

Electric cascade

Pneumatic cascade

Seam welding



Program chaining

Medium Frequency

3-Phase DC

are just a few examples of the numerous functionalities available.

PERFORMANCE

QUALITY

RELIABILITY

AUTOMATION

The welding control unit should be seamlessly integrated into a robot or automated installation; that's why our timers integrate the most common Fieldbus systems.

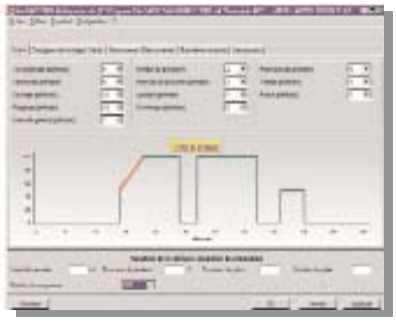
In order to optimize the cost and reliability of the controller, these Fieldbuses are directly integrated onto the electronic boards, without additional box or external interface.

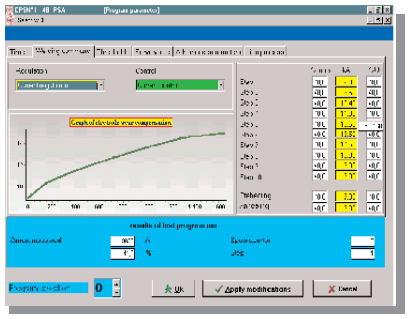
QUALITY ASSURANCE

2 optional software packs can optimize your work and improve the global quality of the installation :

ARODMS
- user-friendly off line programming
- back up and archiving
- data security

ARONET
- workshop supervision
- traceability (parameters/results/defaults)
- maintenance (diagnostic help)





Networking with ARONET can be done on a RS-485 base (simple and economic) or on Ethernet (more efficient yet standardized)

RELIABILITY

Tens of thousands of Micro 2x16 III timers are functioning in the world, proving every day their exceptional reliability, especially in demanding environments like high-rate Automotive lines.

This is made possible by :

- robust design methodologies
- a strict selection of components
- a single card concept that reduces the number of connectors (sources of numerous failures)
- the systematic surpassing of regulatory requirements concerning EMC

Automotive control with Interbus and Ethernet

FAST DIAGNOSIS AND MAINTENANCE

The immediate display (no pocket to plug or computer to start) of meaningful default descriptions (in the user's language) speeds up maintenance.
Advanced diagnostic functions, accessible only to maintenance teams, make the most complex problem solving much easier .

TECHNICAL CARACTERISTICS

Micro 2x16 III integrated in a welding cabinet

Weight	2,5 Kg
Dimensions	AC : H 297 x W 182 x D 110
	MF : H 297 x W 182 x D 130
Operating temperature	0 - 50°C
Operating humidity	20 - 80%
Front panel/display protection	IP 54
Power supply	24 VAC or 24 VDC (to be specified on order)
Electromagnetic compatibility :	According to EN 50081-2 and EN 50082-2
electrical fast transient / burst immunity according to IEC - 1000 - 4 - 4	Level IV
electrostatic discharge immunity according to IEC - 1000 - 4 - 2	Level IV

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Réf. Doc ARO Controls: C451-GB - 23/09/2002