

NEW

For Resistance Welder

WELD CONTROL (MFDC) with VMC (Variable Mode Control) and Ethernet IP

Features

**Global application
conforms to both
CE and UL**

VMC Adaptive Features

■ Current shunting

VMC increases weld current automatically.

■ Sheet gaps

Pin point fitting by electrode force.

Automatic switchover to 2-step welding
and welding time is also extended to address
sheet gaps.

To address tough sheet gaps, the current is
increased further.

■ Expulsion

When expulsion has occurred,
a combination of measures consisting of cooling,
2-pulse weld, and extended weld time are automatically applied.

Ethernet IP

■ Additional performance and easy installation

Ethernet IP protocol communication reduces weld cycle time
and provides Ethernet communication benefits.



DENGSHA MFG.CO.,LTD.

Specifications

Type	SWI-960-WS40-D	RWI-960-WS40-D
Primary voltage	$\phi 3$ AC400/460 $\pm 15\%$	
Rated frequency	50/60HZ	
Maximum current	400A	
Duty cycle	10%	
Control method	PWM MFDC control by IGBT	
MFDC frequency	600~2000Hz	
Current sensor	Primary current feedback by CT	
Electric current adjustment range	2.0~50.0kA	
Transformer turn ratio	1.0~200T	
Welding schedules	255 (63 available for VMC)	
Enclosure rating	IP54	
Interface	Ethernet IP	Bus connection with robot control
Stepper function	OFF/STEP/LINEAR	
Breaker	Earth Leakage Breaker	
Dimensions	W425×D450×H500 (Leg 200)	
Mass	47kg [103 lbs]	
Cooling type	Water cooling	
Input cable	More than 22sq M8	
Output cable	More than 38sq M8	
Required water flow rate	5 Liter/min [1.3gal/min] or more	
Cooling water specification	More than 5Liter/min, 30°C [86°F] or less, More than 5000Qcm	

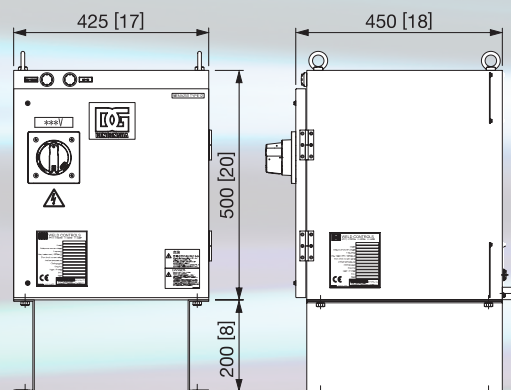
Option

Program cable 3m, [118]
Program cable 5m, [197], 10m, [394]
Firing cable 3m, [118] *
Firing cable 5m, [197], 10m, [394], 20m, [787] *
Weld data manager

※: Used only in RWI-960

[] : inch

Dimensions



Caution

Specifications and outline are subject to change without notice.
In order to ensure safe operation, please read instruction manual before use.



DENGENSHA MFG.CO.,LTD.

1-23-1 Masugata, Tama-ku, Kawasaki-shi, Kanagawa-ken, Japan 214-8588
TEL.+81-44-922-1121 FAX.+81-44-922-1100 <http://dengensha.co.jp>

Affiliated Companies

U.S.A.	DENGENSHA AMERICA CORP.	TEL.+1-440-439-8081	FAX.+1-440-439-8217	http://www.dengensha.com/
U.K.	DENGENSHA EUROPE LTD.	TEL.+44-1543-481844	FAX.+44-1543-481851	http://www.dengensha.co.uk/
Indonesia	PT.DENGENSHA INDONESIA	TEL.+62-267-415807	FAX.+62-267-415810	
Thailand	DENGENSHA (THAILAND) CO., LTD.	TEL.+66-2399-3201	FAX.+66-2399-3204	
Mexico	DENGENSHA MEXICO S.DE R.L.DE C.V.	TEL.+52-477-717-8827	FAX.+52-477-717-8827	
India	DENGENSHA INDIA PVT.LTD.	TEL.+91-44-2233-1033	FAX.+91-44-2233-1033	

Distributors

China	信邦有限公司	TEL.+86-20-2881-0808	FAX.+86-20-2881-0800
Taiwan	安德貿易股份有限公司	TEL.+886-2-2600-7505	FAX.+886-2-2600-7900
Indonesia	PT.UNGGUL SEMESTA	TEL.+62-21-8973731	FAX.+62-21-8973736
Malaysia	PANWELD SDN BHD	TEL.+60-3-5637-1833	FAX.+60-3-5637-2013
Brazil	Libcan Automacao Industria	TEL.+55-12-3301-6200	FAX.+55-12-3301-6200
Russia	SVARCON-SERVICE LTD.	TEL.+7-812-336-2952	FAX.+7-812-336-2953