

“R” series

DIGITAL CONTROL MULTIFUNCTION INVERTER POWER SOURCES FOR AUTOMATION



DIGITECH 400R & DIGITECH 500R

The synergic multifunction DIGITECH R's power sources, based on the most modern IGBT inverter technology and digital controlled, allow premium quality in MIG/MAG, Pulsed and Dual-Pulsed on all materials and particularly on stainless steel, aluminium and galvanized steel, thanks to their spatter free welding.

DIGITECH R's have been appositely designed for automation and robotic applications and represent the ideal solution for any application requiring high precision and repeatability of the achieved results for the most qualified industrial needs.



RB 6

ROBOT WIRE FEEDER UNIT



RB 6 robot wire feeder unit has been developed to be utilized in automatic and robot systems, being fully designed and featured to fully meet such tasks.

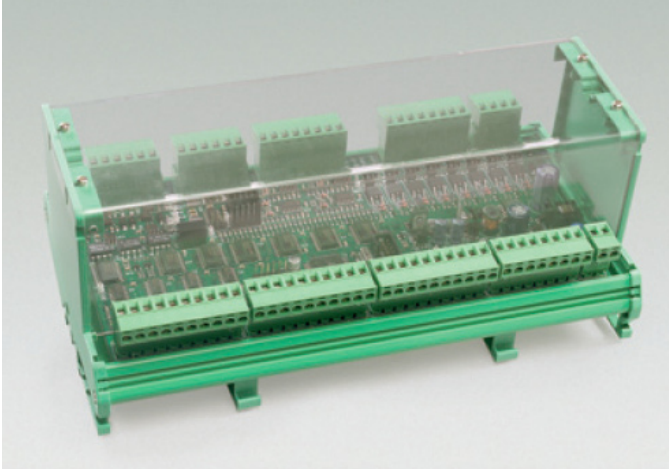
RB 6 main characteristics can be summarized as follows:

- Reduced weight and size
- Easy to fit directly on automatic system
- 100W gear motor
- Encoder for precise wire speed and continuous feeding control
- Large diameter double groove 4 roll wire feeder
- Cast aluminium industrial feeding mechanism
- Electronic components in an isolated place from the feeder
- Wire test
- Gas test
- Forward/backward motor button
- Torch cleaning compressed air outlet (solenoid valve controlled by robot panel)
- Water cooled torch quick connection
- 14 pole Amphenol connector for ancillary controls

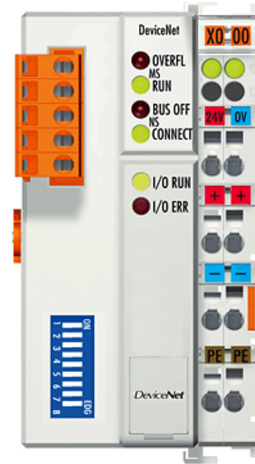


INTERFACE

RCI 1

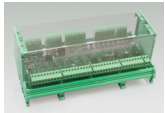


RCI 1
Robot CEA Interface



CDB 1
CEA DeviceNet Box

The information exchange between DIGITECH R's series power source and any external device is by means of our RCI 1 interface card which replaces the worker for welding process start/stop and parameters adjustment. The above shown modules represent a flexible and complete interface system which allows to fully satisfy any ANALOG and DIGITAL connection requirement. The additional use of the CDB 1 *CEA DeviceNet Box* minimizes and simplifies the wiring connection.

INTERFACE	TECHNICAL SPECIFICATIONS	
RCI 1	Analog I/O: 4 (IN) + 4 (OUT) Digital I/O: 24 (IN)+ 8 (OUT) Serial Bus: RS232 - RS 422	
RCI 1 + CDB 1	Analog I/O: 4 (IN) + 4 (OUT) Digital I/O: 24 (IN)+ 8 (OUT) Serial Bus: RS232 - RS 422 Field Bus: DeviceNet	