JBC

INSTRUCTION MANUAL

Serial Multiplexer

Ref. SMR-A

Packing List

The following items should be included:

Serial Multiplexer .... 1 unit
Ref. SMR-A

DB9 Cable .... 1 unit
Ref. 0023223

M8F-M8M 5V 3M Cable .... 2 unit
Ref. 0021333

AC Adapter .... 1 unit
Ref. 0022529

EU   US

Manual .... 1 unit
Ref. 0023789

*Download the **Robot Control** software, available in*

www.jbctools.com/jbcsoftware.html

Features

The Serial Multiplexer (SMR) simplifies the connection between the PC or PLC and the JBC stations by multiplexing one serial communication port towards two JBC Devices.

- **UCR** - Control Unit for Automation (serial communication RS-232*)
- **SFR-B** - Solder Feeder for Automation (serial communication RS-232*)

*See corresponding "Communication Protocol" at www.jbctools.com/jbcsoftware.html.

Green LED (JBC Device 2 Activity)

Green LED (PC Activity)

Green LED (JBC Device Activity)

Blue LED (Power ON)

DB9 Connector (Robot/PC)

Power Supply Connector

Communications Connectors

Connection

Connection module for automation process
Ref. SMR-A

M8F-M8M 5V 3M Cable
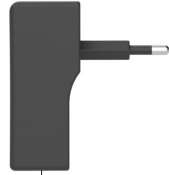Ref. 0021333

M8F-M8M 5V 3M Cable
Ref. 0021333

STATION 2 STATION 1

JBC

Indicator lights

PC   DC IN

SMR-A
Ref. SMR-A

AC Adapter
Ref. 0022529

DB9 Cable
Ref. 0023223

Dispenser
Ref. SFR-B

Control Unit
Ref. UCR

Installation

1. Feed the SMR with the AC adapter supplied (Ref 0022529). The DC IN indicator must become lighted

2. Connect the PC or PLC serial port DB9 male connector to the SMR by using the DB9 cable (Ref 0023223)

3. Connect two JBC Devices to the SMR by using M8F-M8M 5V 3M cable (Ref 0021333). Typical devices are the UCR Control Unit and de SFR-B Dispenser

4. Ensure that both devices protocol settings are configured as "WITH ADDRESS" and the address of each devices are different. Default addresses values are 01 for the UCR and 10 for the SFR

LED Indicators

The indicator lights STATION 1, STATION 2, and PC are very useful for debugging communications:

1. PC indicator blinks every time the PC sends bytes to the stations. If this led doesn't blink, the port number assigned to the communication software is incorrect

2. STATION1 and STATION2 lights blink when the JBC devices answers a frame to the PC. If these lights don't blink, check if the address settings are properly defined. In this case, we recommend the DISCOVERY CONNECTED DEVICES feature of the Robot Control Application supplied by JBC

*Download the **Robot Control** software, available in

www.jbctools.com/jbcsoftware.html

Maintenance

- Before carrying out maintenance, always allow the equipment to cool down.

- Periodically check all cables and connections.

- Replace any defective or damaged part. Use original JBC spare parts only.

- Repairs should only be performed by JBC and authorized technical service.

Safety

<table>
<tr><td>⚠</td><td>**It is imperative to follow safety guidelines to prevent electric shock, injury, fire or explosion.**</td></tr>
</table>

- Do not use the device for other purpose.

- The AC Adapter must be plugged into approved bases. When unplugging it, hold the plug, not the wire.

- Be sure that the power supply is disconnected before changing any spare part.

- Keep your workplace clean and tidy. Wear appropriate protection glasses and gloves when working to avoid personal injury.

Notes

Specifications

- Dimensions & Weight: 66 x 66 x 28 mm /224 gr
  2.59 x 2.59 x 1.10 in / 0.49 lb

- Package Dimensions: 342 x 150 x 120mm / 95gr
  13.4 x 5.90 x 4.72in / 0.20lb

Complies with CE standards.

JBC

Warranty

JBC's 2 year warranty covers this equipment
against all manufacturing defects, including the
replacement of defective parts and labour.
Warranty does not cover product wear or misuse.
In order for the warranty to be valid, equipment
must be returned, postage paid, to the dealer
where it was purchased.

This product should not be thrown in the garbage.
In accordance with the European directive 2002/96/EC, electronic equipment at the end of their life
must be collected and returned to an authorized recycling facility.

Manual in other languages available on our website

www.jbctools.com