

Control Box for R245

UCR245-5A

for Automated Processes

The UCR245 Control Box **manages the new developed Soldering Irons [TR245](#) and [TRA245](#)** and works with the Cartridges [R245](#). It is developed for automated soldering processes with **standard requirements**.



To establish the communication between the UCR Control Box and a Robot (PC or PLC) **download the Communication Protocol for UCR** at www.jbctools.com/jbcsoftware.html.

More than 40 commands help to control working parameters such as Temperature, Sleep, Hibernation and Control Box status. Also allows getting Information about Errors and Hours Counter.

To integrate the UCR245 Control Box in your Automated Soldering Process, **JBC provides the Soldering Unit [HA245A-5A](#)** for general soldering purposes, easily installable to existing Robots.

Specifications

Special features

Cartridge compatibility	R245
Tool compatibility	Manual Iron: TR245 Automatic Iron: TRA245
Selectable parameters	
Temperature	90 to 450 °C (190 to 840 °F)
Connectivity	
Tool connection	M16-8pins
Serial communication RS-232	M8-5pins
Equipotential bonding	
ESD/EOS	
ESD safe	
Tip to ground resistance	2 ohms
Power supply	
Peak power	160 W - 21 V
Voltage (AC)	100 to 240 V
Ambient operating temp.	10 to 40 °C / 50 to 104 °F
Dimensions and weight	
Control Box	210 x 162 x 75 mm / 2.20 kg 8.3 x 6.4 x 3.0 in / 4.85 lb
Package	328 x 258 x 208 mm / 2.60 kg

Connectables

Automation

Auto. Soldering Iron for R245
TRA245-A



Cartridge Stand for R245
CS2R245-A



Soldering Iron for R245
TR245-A



Documentation

Manuals

UCR-5A Manual
UCR Communication Protocol

Exploded View

UCR245-5A Exploded View