



RPB/RPB-E

Customers using the RCX141 / RCX142 controllers should use the connector converter cable (See P427.)


Applicable controllers ▶ RCX221 RCX222 RCX240

All operations can be performed from this device including manual robot operation, programming entry and editing, teaching and setting parameters. The display works interactively with the operator so even an absolute beginner can easily learn how to use programming box.

RPB / RPB-E basic specifications

Name	RPB	RPB-E
External view		
Applicable controllers	RCX221 / RCX222 / RCX240	
Model	KBK-M5110-10	KBK-M5110-00
Display	LCD (40characters 8 lines)	
Emergency stop button	Normally closed contact point (with lock function)	
Enable switch	-	3-position
CE marking	Not supported	Applicable
Operating temperature	0°C to 40°C	
Operating humidity	35% to 85%RH (non-condensing)	
Dimensions	W180 × H250 × D50mm (Strap holder, emergency stop button not included.)	
Weight	600g	
Cable length	5m (Standard), 12m (Options)	

Part names and function




Display (screen)
Liquid crystal display (LCD) shows different types of information with 8 lines × 40 characters. Contrast is adjustable.

Sheet keys
These are key switches for operating the robot or entering programs, etc. These are broadly grouped into 3 blocks consisting of function keys, control keys, and data keys.

RPB connector
This is a connector for connecting the RPB to the controller.

Emergency stop button
Pressing this button during robot operation sets the robot to emergency stop. These are B contact type switches.

RPB-E Rear side



3-position enable switch (only on RPB-E)
This switch is usable as part of an external (remote) safety circuit. Pressing this switch inwards or releasing it cuts off the (RPB/robot) circuit. However that circuit is operable when this switch is in middle position. This enable switch is usually operable in service mode. It functions as part of an external safety circuit so that releasing the enable switch or pressing it inwards set the robot to emergency stop.

APPLICATION
TRANSERVO
Compact single-axis robots
FLIP-X
Single-axis robots
PHASER
Linear motor single-axis robots
XY-X
Cartesian robots
YK-XG
SCARA robots
YP-X
Pick & place robots
CLEAN
CONTROLLER INFORMATION
Robot positioner
Pulse string driver
Robot controller
I/V
Option