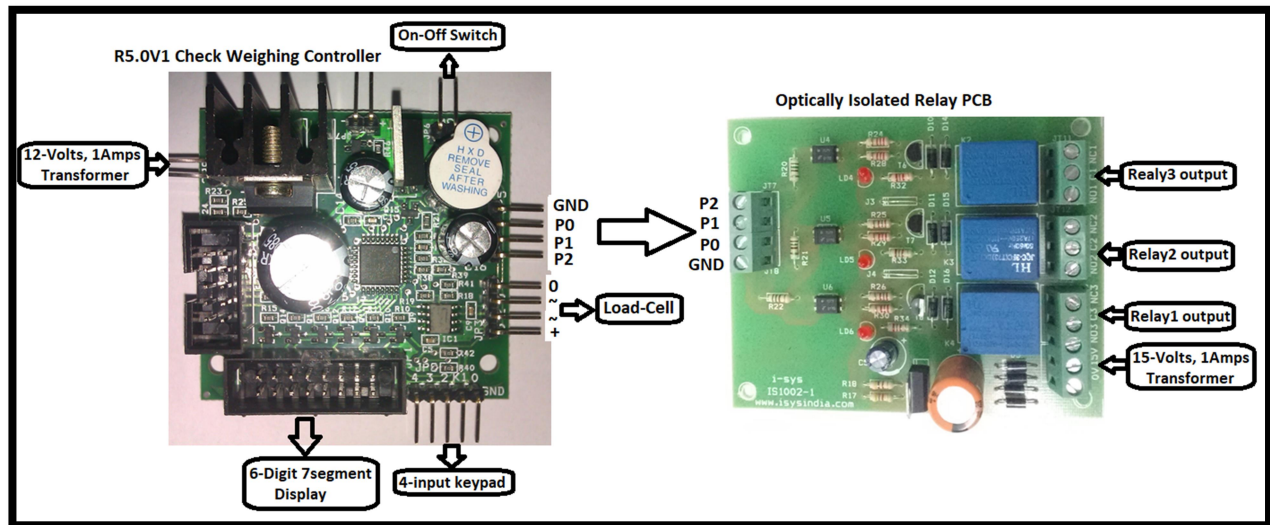


Check Weighing PCB Kit User Manual



Block Schematic Diagram for Check Weighing Controller PCB Kit

Check Weighing Controller PCB Kit

The Kit contains the following items.

1. Check Weighing Controller PCB R5.0V1 – 1no.
2. 0.56" Red display – 1nos.
3. 4-input Keypad with connector – 1nos.
4. Optically Isolated Relay PCB – 1no.
5. 0-12V/1Amps transformer – 2no.
6. 0-15V/1Amps transformer – 1no.

Please connect the materials supplied as per the schematic block diagram shown above.

The check weighing system provides 3-relay output for indicating 3 weighing regions. They are the low weight, normal weight & high weight. You can connect tower lamps & buzzer alarms to the appropriate relay output for visual & audio annunciation. Two set-point values are needed to be entered in the controller for creating the three zones.

WEIGHT RANGE	RELAY-1 STATE	RELAY-2 STATE	REALY-3 STATE
0 TO SET1 VALUE	ON	OFF	OFF
SET1 TO SET2 VALUE	OFF	ON	OFF
GREATER THAN SET2 VALUE	OFF	OFF	ON

Calibration of Check Weighing PCB

The calibration procedure for check weighing PCB is similar to R5.0V1 weighing scale PCB. Please refer or down load “R5.0V1 Weighing Scale PCB User Manual-1” pdf from www.isysindia.com website.

Parameter settings in Check Weighing Controller PCB

Please set the “PSEL” value in (“PARA”) the parameter setting to “1” to activate the set-point or check weighing functionality. For all other parameter and calibration settings, follow the instructions from “R5.0V1 Weighing Scale PCB User Manual-1” pdf.

HOW TO ENTER THE SET-POINT VALUES ?

Once the calibration & parameter setting procedure is completed, you can switch OFF & ON the Controller PCB. If no set-point value is entered in the controller, the controller will indicate “Enter Set Point” as a scrolling display. Now, press TARE key (K4) and SHIFT key (K3) simultaneously. The display will blink & then show “SET-1” for a brief period as shown below...

S	E	t	-	1	
---	---	---	---	---	--

Next it shows...

0	0	0.	0	0	0
---	---	----	---	---	---

Use the INCREMENT key (K2) & SHIFT key (K3) enter the set-point1 value. Next press the ENTER key (K4). This value will be stored in the permanent memory of the controller.

Next its show "SET-2" briefly and provides you the space to enter the set-pont2 value. In a similar way enter the set-point2 value. Make sure the set-point2 value is greater than set-point1 value.

If by chance you enter set-point2 value to be greater than set-point1 value, the controller will indicate "ERROR SET2" as a scrolling display. You will have to follow the procedure mentioned above to set the appropriate set-point values.

If the set-point values are entered correctly, the appropriate relays will be switched ON or OFF as per the table shown above.

The Controller PCB also provides real time serial weight data as TTL UART output. You can use a RS232 interface adaptor for interfacing with PC. Please read "R5.0V1 Weighing Scale PCB User Manual-1" for more information.

For more information regarding **calibration & settings** of the weighing & controller PCB, please call the manufacturer.

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