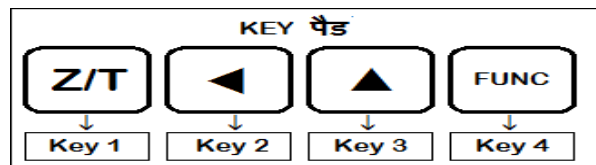


# SETTING AND CONNECTIONS

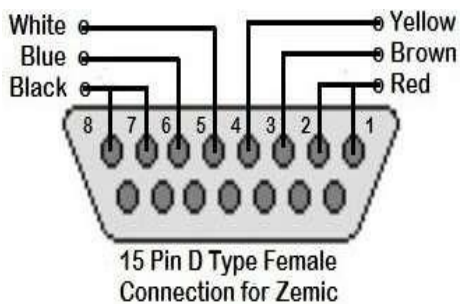
## DIGITAL INDICATOR MANUAL

### Features:

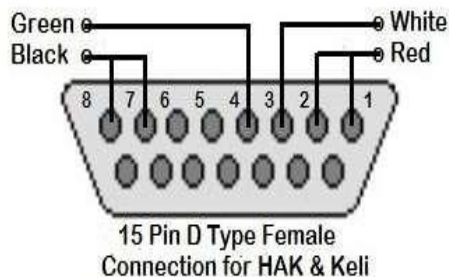
- No need of calibration and no corner adjustment need.
- Metallic body with rust proof and powder coated.
- Moisture proof operations.
- Manual Tare + Tank weighing function.d
- Different type of serial output. Can communicate with most of software.
- Can be connected up to twelve loadcells and auto zero tracking function
- Transformer power supply for more reliability (140-280vAC).
- Big 1", 0.8" display segment.
- **Zemic, Keli, Kevin sensors, HAK, Thames SIDE** loadcells supported.
- Can do individual loadcell corner adjustment, no need of preset or resistance.
- Can use 3 wire extra display.
- Data transfer possible via USB over computer.
- Easy and user-friendly model.
- **DYNAMIC PASSWORD VIA MOBILE APP**



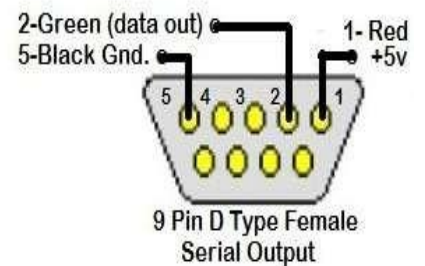
CONNECTION DIAGRAM OF LOADCELL



ZEMIC



KELI , KEVIN SENSOR, HAK



9 PIN SERIAL






RESET MACHINE	ENTER PARAMETER	LOADCELL ADDRESSING	TYPE/MAKE OF LOADCELL SELECTION	CHANGE CALIBRATION PASSWORD	CORNER ADJUSTMENT	CHECK INDIVIDUAL LOADCELL	DYNAMIC PASSWORD
1111	2000	1000	1230 (Type 0 = ZEMIC D/ KEVIN D) (Type 1 = HAK D) (Type 2 = KELI D)	1811	4000	1235	3001

## **FUNCTIONS OF DIGITAL INDICATOR**

**To enter into parameter, press any key and switch on the machine. Machine with display**

[ 0000 ]

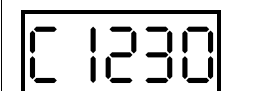


[ 2000 ]	Use key2 and key3, Enter password [ 2000 ]. Press key1 to save.
[ ENTER ]	This is ENTER Mode. Press key1 to save.
[ MA CAP ]	This is maximum capacity. Press KEY1 To save.
[ 080000 ]	Enter maximum capacity. (For 60 Ton, Enter 060000.) Use key2 and key3 to feed data. Press KEY1 to save.
[ DEC 0 ]	This is for decimal point. For 0.000= put 3, for 0.00= put 2. Press KEY1 To save.
[ RES 05 ]	Enter accuracy by key2 and key3. For 5Kg-05, For 10Kg-10, For 20Kg-20. Press KEY1 To save.
[ A-0 1 ]	This is for auto zero tracking. Set by Key3 and save by Key1. Will auto zero upto (0-9) (Accuracy x A-0) value.

	<p>This is for air locking. By increasing stability (0-9), speed will decrease. Higher the stability number, lower will be the speed. Set By Key3. Press KEY1 To save.</p>
	<p>Decide for calibration. Set By Key3.</p> <ul style="list-style-type: none"> <li>• Keep '0'= FOR <u>NO</u> CALIBRATION AND <u>NO</u> CORNER.</li> <li>• Keep '1'= FOR <u>YES</u> CALIBRAION AND <u>NO</u> CORNER.</li> <li>• Keep '2'= FOR <u>YES</u> CALIBRATION AND <u>YES</u> CORNER. Press KEY1 To save.</li> </ul>
	<p>This is for BAUD RATE SELECTION for computer data transfer from 9 pin port. Set by Key3 (BAUD '1'= 1200, BAUD '2'= 2400, BAUD '3'= 4800, BAUD '4'= 9600) For data transfer to IT / Combi, Keep BAUD '1'. Press KEY1 To save.</p>
	<p>Set By Key3. For serial output.</p> <ul style="list-style-type: none"> <li>• 232='0' shows (00005 KG) VERTICAL STRING</li> <li>• 232='1' shows (WN000080 kg) VERTICAL STRING</li> <li>• 232='2' shows (00015) VERTICAL STRING</li> <li>• 232='3' shows (00015kg) HORIZONTAL STRING</li> <li>• 232='4' shows no data (null)</li> <li>• 232='5' shows (000700) VERTICAL STRING</li> <li>• 232='6' shows (00045 K) VERTICAL STRING</li> <li>• 232='7' shows no data (null)</li> <li>• 232='8' shows (- 305KG) VERTICAL STRING</li> <li>• 232='9' shows (000020k) HORIZONTAL STRING</li> </ul>
	<p>This is MAUAL TARE/TANK WEIGHING MODE. To start weight from zero when machine restarts, keep it '0'. To show or save old weight when machine restarts, keep it '1'. For example- If the weight on display was 75.000 and machine restarts, if it is '0' then machine will show 0.000 and if it is '1', then machine will show 75.000 Press key1 to save.</p>

## **LOADCELL SELECTION PARAMETER**

**To enter into parameter, press any key and switch on the machine. Machine with display**



	<p>Use key2 and key3, Enter password . Press key1 to save.</p>
	<p>By pressing key3, Select load cell type.</p> <ul style="list-style-type: none"> <li>• Zemic / KEVIN- 0</li> <li>• HAK - 1</li> <li>• Keli - 2</li> </ul> <p>Press KEY1 To Enter. Now display will show the selected loadcell.</p>

## LOADCELL NUMBERING PARAMETER




**To enter into parameter, press any key and switch on the machine. Machine with display**

**C 0000**

<b>C 1000</b>	Use key2 and key3, Enter password <b>C 1000</b> . Press key1 to save.
<b>KELI .</b>	Display will show the loadcell type set by you. (Zemic, KEVIN, HAK or Keli). Press KEY1 To Enter.
<b>TLC 01</b>	This is the total number of loadcell attached to the indicator. If 4 loadcells are connected, make it '4'. Press KEY1 To Enter.
<b>LC SET</b>	Now the machine is ready to mark the loadcell. Press KEY1 To Enter.
<b>LC 01</b>	Connect first loadcell. Press KEY1 To Enter.
<b>WAIT .</b>	Wait and check the display.
<b>OK LCO1</b>	If OK, Press key1 to enter. Now remove load cell and mark it as loadcell. <ol style="list-style-type: none"> <li>1. If display shows <b>ERROR</b>, then press KEY1 again and check load cell connections After checking problem, repeat from <b>LC 01</b> step.</li> <li>2. <u>In case of ZEMIC LOADCELL</u>, display will show counts and enter by pressing KEY4.</li> </ol>
<b>LC 02</b>	Connect second load cell, Press KEY1 To Enter.
<b>WAIT .</b>	Wait for next step.
<b>OK LC2</b>	As mention above set and mark all the loadcell one by one. Press KEY1 To Enter.
<b>ERR 01</b>	Now all load cells are marked. Switch off the machine and attached all load cells to the DIGITAL JUNCTION BOX.

## CALIBRATION OF MACHINE





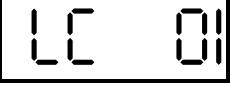
**To enter into parameter, start the machine and put the weight. Display will show the weight. LONG PRESS KEY4.**

	Press KEY1 To Enter. (If password is set then enter password by KEY3 and KEY2)
	Enter desired weight by pressing Key2 and Key3. Press KEY1 To Enter.
	Now machine is in normal mode and calibrated.

## CORNERING OF LOADCELL FROM MACHINE

**To enter into parameter, press any key and switch on the machine. Machine with display**



	By key2 and key3, Enter password 
	Press KEY1 To Enter.
	Press KEY1 To Enter.
	Press KEY1 To Enter. Increase weight of load cell one by Key3 (+) And Decrease By KEY2 (-). Press KEY1 and set all load cells one by one.

## CHECK INDIVIDUAL LOADCELL

To enter into parameter, press any key and switch on the machine. Machine with display

C 0000

C 1235	By key2 and key3, enter password C 1235.
KELI 01	Display will show the loadcell type set by you. (Zemic, KEVIN, HAK or Keli). Press KEY1 To Enter.
TLC 01	The screen will show Total Number of Loadcell connected to indicator. After this press key1 and display will show the counts of each load cell.

### SPECIAL ADDITIONAL FUNTIONS

1. Enter password 1240 and select switch mode. In this mode by pressing mode key you can select loadcell 1 to 4 or 5 to 8 or all load cell. This function is useful for double weighbridge with one indicator.
2. In parameter CALI if you put 1 or 2 then calibration is done as described but if you put 3 or 4 then calibration will be done with respect to 10000 and by entering password 3000.