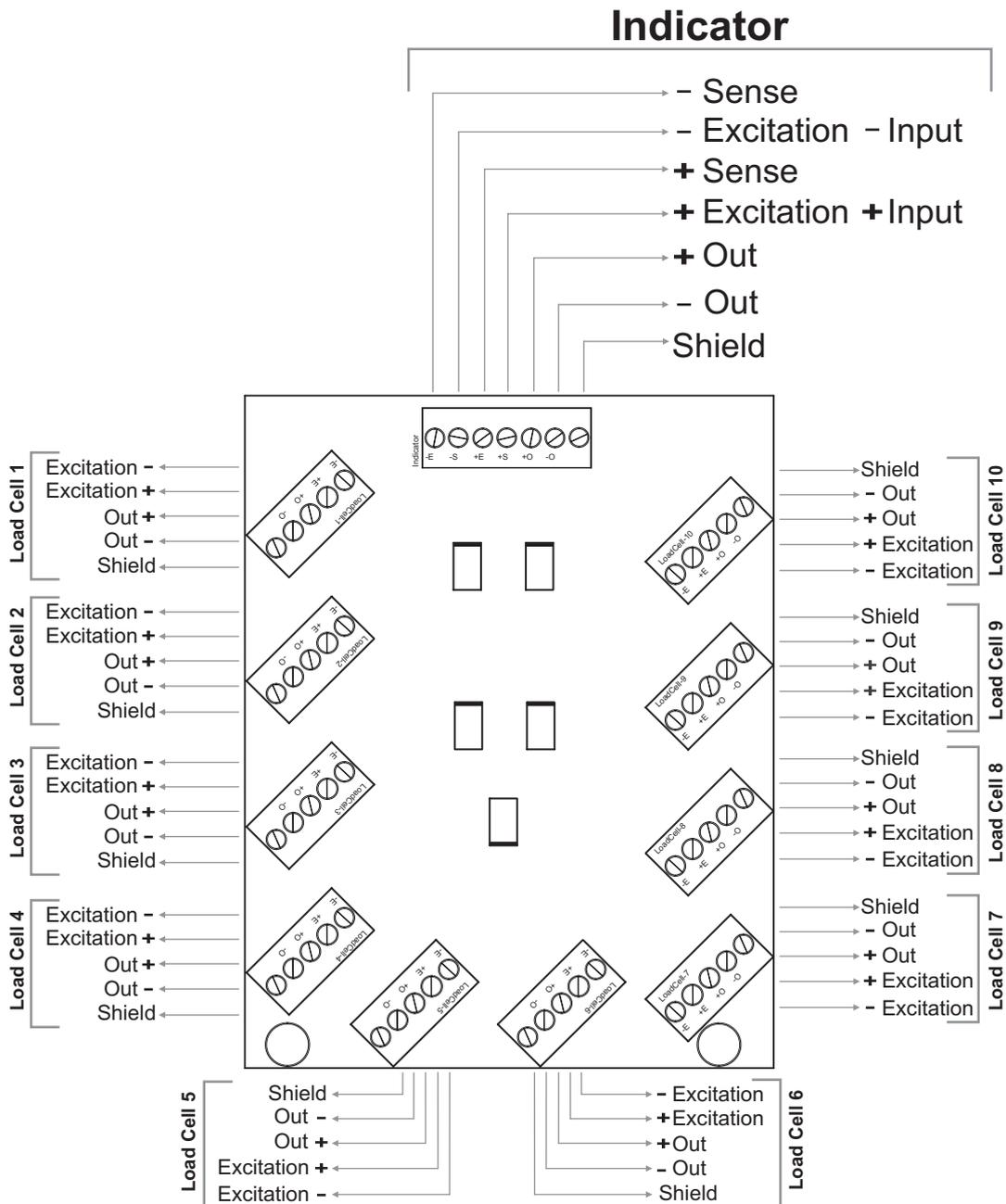


Assembling Load Cell Cables To The Junction Box

Load cells are transducers, which convert weight to electrical signals to be used by the indicator. Their cables are formed mainly by 4 or 6 signal cables. These cables are composed of two excitation cables, two output cables and sometimes two sense cables. All these cables should be connected to the corresponding connection holes on the printed circuit board located inside the junction box.

The connection holes on the board are labeled with first letters of cable colors. These colors are for ESIT load cells.



The junction boxes may be used with other blend load cells. In this case the user must learn the cable colors.

Colors and explanation of signal cables of ESIT load cells are as follows:

Letter	Color		Explanation
K	KIRMIZI	Red	-Çıkış-Output
B	BEYAZ	White	+Çıkış+Output
Y	YESIL	Green	+Besleme+Excitation, +Input
S	SIYAH	Black	-Besleme-Excitation, -Input
T	TOPRAK	Ground	Blendaj-metal kılıfShield

On the cable connecting the junction box to the indicator there may exist either four or six signal cables. If the load cell cable has six signal cables the extra two wires for SENSE signals are connected on the junction box board next to excitation inlets. If the load cell cable has four signal cables the SENSE connection is done on the connector to be plugged to the indicator.

Connector pin assignment to load cell connection of ESIT indicators

If 6 signal cable is used

Pin No	Cable color		Explanation
1	Blendage	Blendaj-metal kılıf	Blendage(shield)
2	Blendage	Blendaj-metal kılıf	Blendage(shield)
3	White	+Çıkış	+Output
4	Black	-Besleme	-Excitation(Input)
5	Green	+Besleme	+Excitation(Input)
6	Blendage	Blendaj-metal kılıf	Blendage(shield)
7	Red	-Çıkış	-Out
8	Orange	-Sense	-Sense
9	Blue	+Sense	+Sense

Note: · On the junction box, the letters of colors blue and orange do not exist. These cables are connected next to Green and black with respect to their polarity.

If 4 signal cable is used

Pin No	Cable Color		Explanation
1	Blendage	Blendaj-metal kılıf	Blendage(shield)
2	Blendage	Blendaj-metal kılıf	Blendage(shield)
3	White	+Çıkış	+Output
4	Black	-Besleme	-Excitation(Input)
5	Green	+Besleme	+Excitation(Input)
6	Blendage	Blendaj-metal kılıf	Blendage(shield)
7	Red	-Çıkış	-Out
8	Short circuit with Black	-Sense	-Sense
9	Short circuit with Green	+Sense	+Sense