



Load Cell Calibration

ACROTECH

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INSTRUCTION SHEET 95011

FOR

SJC-4/SJC-4M/JC-4
SJC-8M/JC-8

Load Cell #2

#1

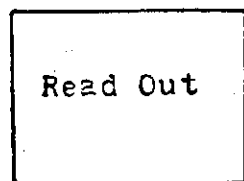
Hinge

Hinge

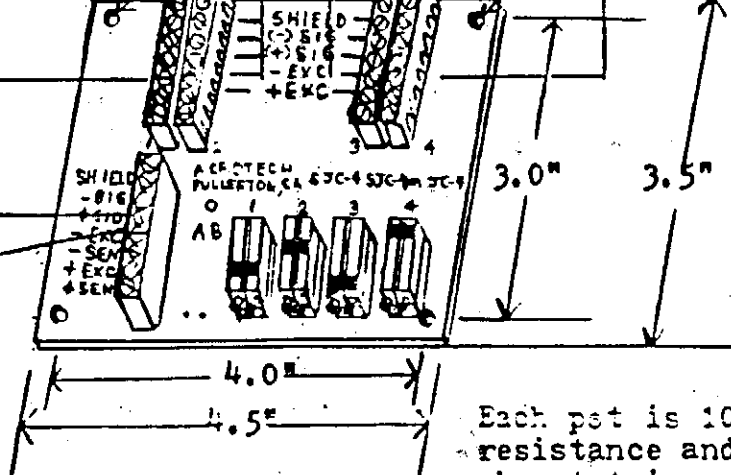
#3

#4

Drill four 0.187
inch diameter holes
in panel for mounting



Read Out



Shield, (-)Sig, (+)
Sig, (-)Exc and (+)
Exc to other SJC-4M
cards in multiple
platform systems.

Each pot is 10 ohms total
resistance and connected as a
rheostat in series with each
side of the load cell excitation
current.

- ✓1. Prepare mounting location. (See Illustration.)
- ✓2. Strip load cells and connect to terminal strips 1, 2, 3 and 4. It is not necessary to tin leads. Do not use lugs on leads.
- ✓3. Strip leads to signal conditioner or readout and connect to terminal strip "0". The card shorts the sense leads to the respective Excitation leads for remote sensing systems.
- X4. For multiple platform scales, connect one set of load cells to each summing card. Connect the terminal strips "0" of one card directly to the readout. Connect the (-)Sig, (+)Sig, (-)Exc and (+)Exc and Shield on terminal strip "0" from each additional card to the terminal strip "0" of the first card.
(For JC-4 and JC-8, disregard the remaining steps).
- ✓5. Turn all pots to the full clockwise position; the dark marks within the top of the pot will be nearest the adjustment screw.
6. In rotation, load each quadrant of the scale platform with one half of the scale capacity recording each reading. Attenuate the higher reading corners by taking equal turns in a counter clockwise direction on both of the pots for that cell.
- X7. For multiple platform systems using the SJC-4M card, perform the above steps for each platform; then match the platforms together by first loading each platform to capacity, then attenuating the higher reading platform by taking equal turns in a counter clockwise direction on the "C" pots on that card.