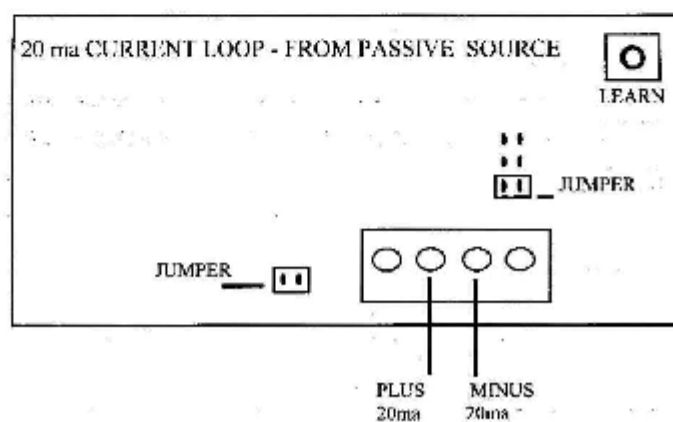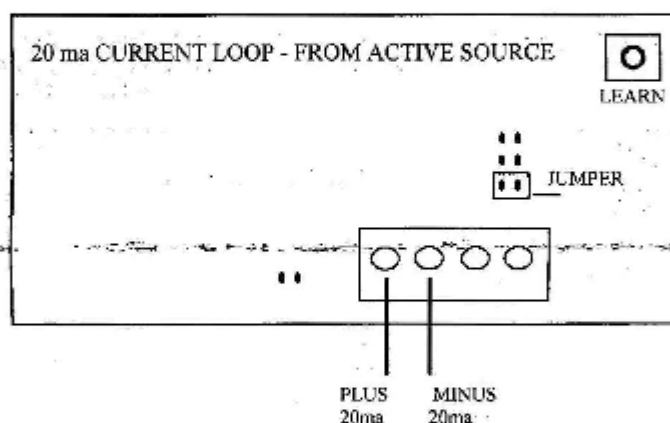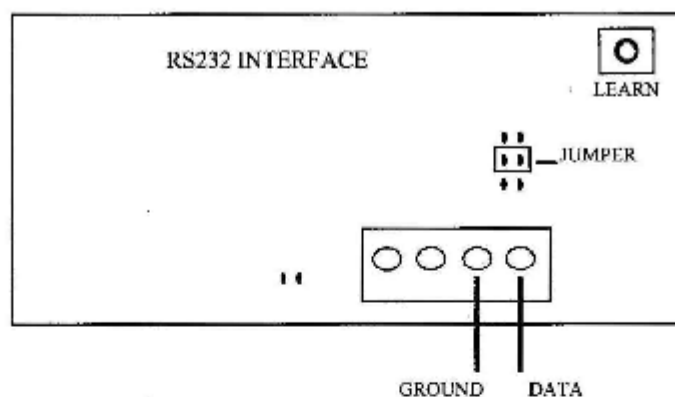# GSR-SERIES REMOTE DISPLAYS

SETUP AND OPERATION MANUAL

NOTE: If the scale indicator is a Toledo or Fairbanks, a Eprom change will be required due to the status characters that these indicators send before the weight characters.
This eprom can be ordered at no charge.

RS232 INTERFACE

LEARN

JUMPER

GROUND   DATA

20 ma CURRENT LOOP - FROM ACTIVE SOURCE

LEARN

JUMPER

PLUS   MINUS
20ma   20ma

20 ma CURRENT LOOP - FROM PASSIVE SOURCE

LEARN

JUMPER

JUMPER

PLUS   MINUS
20ma   20ma

The AUTO-LEARN feature allows the unit to determine the Baud Rate and character format that is being sent to it. The unit will configure to the incomming data baud rate, data bits, and parity.

When receiving data, the unit seeks out the first grouping of numbers. It will then look for a minus sign and decimal point within this group. The numbers will then be displayed on the display with decimal point and minus sign if necessary.
Any leading zeros will be changed to blanks. This conserves power when the display is being sent all zeros.

NOTE: When the unit is powered and the DATA wiring is correct, the LED light on the circuit board will be off and pulse on, when data is transmitted from the sending unit, the LED light will flicker.
If the wiring is not conected correctly, the light will be solid on or totaly off.

Automatic Setup Procedure.

1. Hold down the LEARN button.

2. Plug in the unit to 120 vac power and note that the digits scroll through the numbers 123456789.

3. When the display goes to 00 COUNT TO 5 THEN, release the LEARN button.

4. Assure that the LED light pulses to indicate data is being received.

5. The display will show ——01, and start changing to different numbers.

6. When the unit configures to the incomming data, the display will show two digits seperated by dashes.

The following table can be used to tell what the baud rate and data bit format is of the sending unit.

Left digit = 0 = Baud rate of 9600	Right digit = 00 = 7 data / no parity
1 = 4800	11 = 8 data / no parity
2 = 2400	22 = 7 data / odd parity
3 = 1200	33 = 8 data / odd parity
4 = 600	44 = 7 data / even parity
5 = 300	55 = 8 data / even parity

7. Press the LEARN button, and the display will read the numbers from the sending unit

NOTE: If no data was recognized or no data was sent, the display will show
——01— to indicate the error.