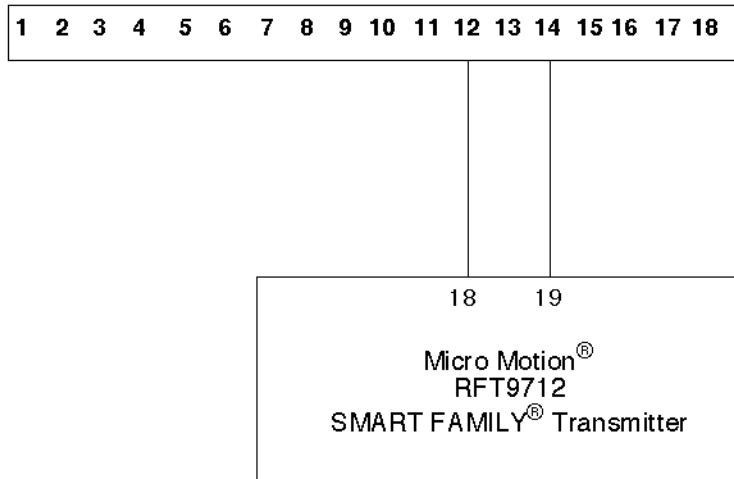


PC-100 & MICRO MOTION® RFT9712 XMTR

APPLICATION
BRIEF

WIRING DIAGRAM

PC-100 TERMINAL STRIP



Scale transmitter, so maximum flow is represented by some frequency less than 2000Hz.
Scale PC-100 for desired engineering units of measure.

Example:

Scale transmitter so that 1000 pulses/second = 450 gallons/minute

$$\frac{1000 \text{ pulses}}{\text{second}} = \frac{450 \text{ gallons}}{\text{minute}} \times \frac{\text{minute}}{60 \text{ seconds}}$$

$$1000 \text{ pulses} = 7.5 \text{ gallons}$$

$$133.33 \text{ pulses} = 1 \text{ gallon}$$

To scale PC-100 to read to the nearest 0.1 gallon:

$$\text{PC-100 scale Factor} = \frac{10}{133.33} = 0.0750$$



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