CDI 5200 SRD
SUMMING REMOTE DISPLAY FOR CDI FLOWMETERS

- Remote display of flowmeter output
- Three display modes available:
  - rate (scfm)
  - daily usage (mscf)
  - cumulative usage (mscf)
- Display mode selected at setup and meter labeled accordingly
- Adjustable decimal point in summing modes
- Displays in Nm3/min and Nm3/hr available on request.

DESCRIPTION
The CDI 5200-SRD summing remote display provides a convenient way to monitor daily or cumulative air usage by a machine, process, or department. Alternatively, it can be used as a remote display for a meter in a high or inconspicuous location. When installing the display, the user selects the display mode and labels the unit accordingly.

DISPLAY MODES
In the RATE mode, the unit simply repeats the output, in scfm, of the connected CDI 5200 or 5400 flowmeter. Used in this mode, the display provides a convenient way to monitor the flow at a meter that is high above the factory floor.

The DAILY USAGE mode displays the usage in mscf (thousands of standard cubic feet) during the most recent full 24-hour recording period.

In the CUMULATIVE USAGE mode, the display shows the total air usage in mscf. After reaching 9999, it rolls over to 0. It can be used to track monthly air usage and allocate utility costs. The decimal point can be placed to provide better resolution than one mscf, but the display will roll over sooner.

CONTROL OF THE DISPLAY
The display is controlled by a pushbutton that is accessible from outside the enclosure. Pressing the button briefly will cycle the display through its three modes, RATE, DAILY USAGE, and CUMULATIVE USAGE. Ten seconds after the button is last pressed, the display will revert to the selected default mode. To set the starting time for the daily usage display, press and hold the button for two seconds with the meter in the daily usage mode. The daily usage display will indicate "---" for the first 24 hours. It will subsequently indicate the usage during the last complete 24-hour period. To reset the cumulative display to zero, press and hold the button with the unit in the CUMULATIVE USAGE mode.

LIMITATIONS
Because of slight delays in the response of the flowmeter, if the flow consists predominantly of pulses shorter than several seconds, the accuracy of the totalized flow will be reduced.

SPECIFICATIONS
Accuracy: Correctly reports meter output.
Input power: 50 mA at 18 to 24 Vdc
Display: Four-digit LED display

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