CDI 5200 SRD

SUMMING REMOTE DISPLAY FOR CDI FLOWMETERS – Rev. 3

- **Remote display of flowmeter output**
- **Three display modes available**:
    - rate
    - daily usage
    - cumulative usage
- **Display mode selected at setup**
- **Adjustable decimal point in summing modes**
- **Can be configured for scfm, Nm3/min and Nm3/hr.**

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 units of measure and labels the unit accordingly.

DISPLAY MODES

In the RATE mode, the unit simply repeats the output, in scfm, of the connected CDI 5000-series or 6000-series 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) or mcm (thousands of standard cubic meters) during the most recent full 24-hour recording period.

In the CUMULATIVE USAGE mode, the display shows the total air usage in mscf or mcm. 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, but the display will roll over sooner.

CONTROL OF THE DISPLAY

The display is controlled by a pushbutton that is indicated by a circle on the front of the enclosure. Pressing the button briefly will cycle the display through its three modes, RATE, DAILY USAGE, and CUMULATIVE USAGE, followed by a digit indicating the programmed display units. 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.

WIRING

Connect the display to the associated meter using three-conductor cable. Connect the *supply-*, *supply+* and *display* terminals on the meter to the corresponding terminals on the display. If using the wall-plug dc power supply furnished with the meter, connect it either at the display or at the meter. If power is connected at the display, the interconnecting cable must be 22 gauge or larger and must be no longer than 200 feet. The power supply furnished with the CDI 5200 and 5400 Flowmeters is adequate for one meter and one remote display.

PROGRAMMING THE DISPLAY

Start the by holding the button indicated by a circle on the front of the display while applying power. Press the button repeatedly to advance the value of each parameter; wait a few seconds to move from one parameter to the next. First enter an access code (AC) of four, next position the decimal point (dP) for the daily usage and cumulative usage modes, then select the default display (dd) and the display units (du), according to the options listed on the label.

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 24 Vdc

Display: Four-digit LED display

CDI Meters, Inc
866-885-2462

Specifications are subject to change without notice.
www.cdimeters.com

12/17/14
© CDI Meters, Inc. 2014