



Made in the USA

• DISPLAY MODULE • SERIES DB-1200



AUXILIARY OUTPUT OPTION

Provides a binary (digital) output or isolated analog output.

Auxiliary output is in addition to any outputs provided by the flow meter. Limited to one of the following:

Analog Output (Isolated): For flow rate

Voltage output: 0-10 V (0-5 V available)

Current output: 4-20 mA

Binary (Digital) Outputs:

Isolated solid state dry contact: 100 mA, 50 V

Divided Output: For flow rate & totalization; signal is divided to replace the maximum frequency

Scaled Output: For totalization; scaled to a specific unit of volume per pulse (i.e. 10 gal/pulse)

GENERAL SPECIFICATIONS

MECHANICAL

6"x6"x4" NEMA 4 steel enclosure, wall mount

ELECTRICAL

Input voltage: Standard: 120 VAC, 60 Hz

Optional: 240 VAC, 50 Hz

24 VAC or DC

Optional voltage (nominal): +24 VDC at 200 mA

INDICATORS

Model DB-1201: Six digit rate LCD

Model DB-1202: Separate LCD indicators for each direction (two total) with two buttons for mode selection, total reset and programming.

Six digit rate; eight digit totalization

Total reset switch can be disabled via programming.

Remote reset available

Programming: Set at factory for particular flow meter and pipe size (field programming possible)

Memory: Nonvolatile EEPROM memory retains all programming parameters in the event of power loss.

DIRECTIONAL INDICATORS

LEDs correspond to the status of the directional output switch.

DIRECTIONAL SWITCH OUTPUT

Isolated solid state dry contact: 100 mA, 50 V

State: Closed when flow is in direction of arrow on flow meter.

FLOW SIGNAL INPUT/OUTPUT

Input: 0-15 V pulse output and directional contacts from any of ONICON's bi-directional flow meters

Output: Additional output signal(s) ordered with flow meter are available for connection to control system via the display module terminal strip.

DESCRIPTION

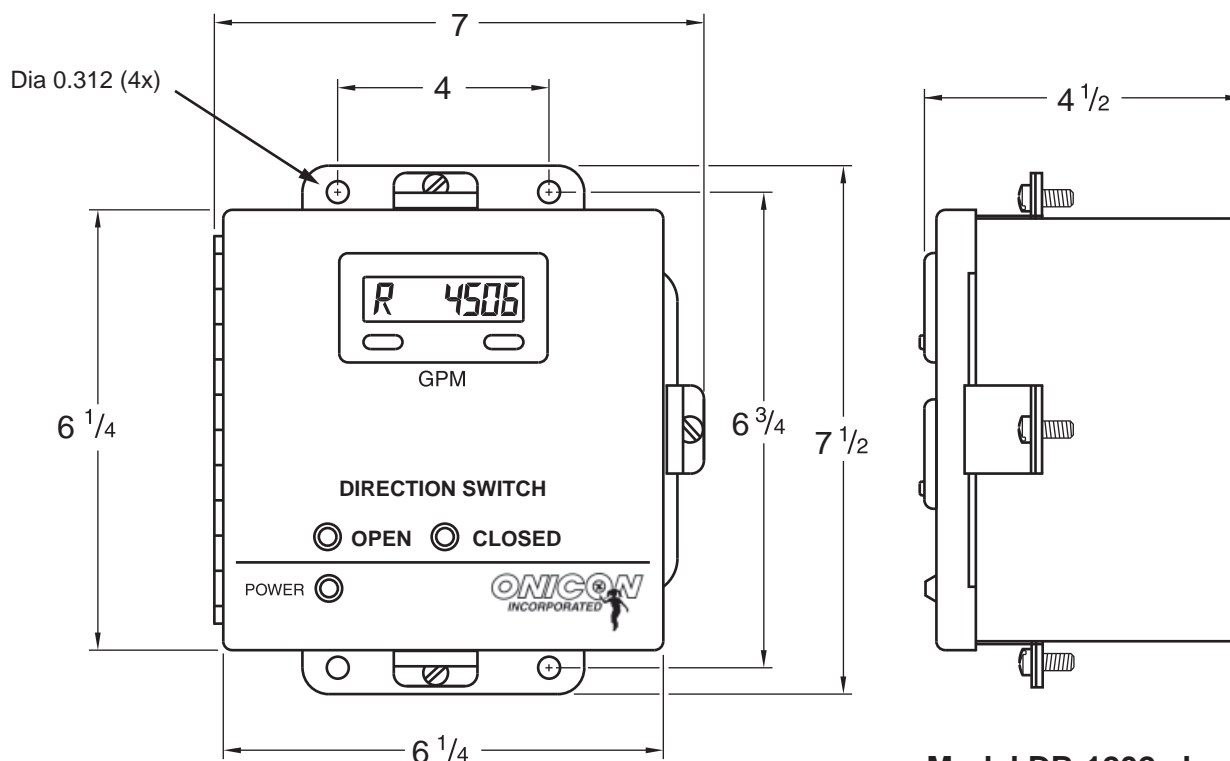
The DB-1200 series display is a modular display center featuring an indication of flow rate and the direction of flow for bi-directional applications. An integral 24 VDC power supply furnishes all power requirements for the display and ONICON's bi-directional insertion flow meter.

This display converts any ONICON bi-directional flow meter into a complete flow monitoring system for local or remote indication of flow rate and direction. The flow meters may simultaneously support other remote devices such as Btu meters, building control systems, and data acquisition systems.

APPLICATIONS

- Primary / secondary decoupling loop (bypass)
- Stratified thermal storage charge/discharge lines
- Municipal water storage tank charge/discharge lines
- Chilled water, condenser water, domestic water and hot water HVAC monitoring
- Process monitoring in industrial plants

Notes:



Model DB-1202 shown

How to select your series DB-1200 display

Series identifier

Reserved for later use

Number of indicators in the display (1 or 2)

Each indicator can be programmed to display rate, total, or both. The indicators are programmed at the factory according to customer requirements, and the appropriate labels are applied below each indicator.

The indicators can be reprogrammed in the field.

Please specify indicator function and engineering units at time order is placed.

To select auxiliary output option, refer to specification sheet.

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