



AW FLOW METERS

DVV System Dispensing Volume Verification System



Technical Specifications:

- Fully automatic
- No external logic or wiring required
- Multiple display modes
- Improves process control
- NEMA 12 & 13 rating
- Qualifies dispensed volume
- Audible alarm for outside limit results
- Monitors dispense operation

What is a DVV System?

The Dispense Volume Verification system is a fully automatic dispense monitor. It compares the dispensed volume to a programmed minimum and maximum volume limit providing a pass or fail indication via a highly visible tower light and audible alarm. The DVV requires only the flowmeter signal to operate and does not require any external logic or additional wiring. The DVV senses the start of a dispense cycle by detecting flow and continues to totalize until flow has completely stopped for a user specified time. At this time the total is compared to the programmed limits. The DVV then indicates whether the dispensed volume falls within, below, or above the specified limits with a green, yellow or red light respectively. An audible alarm will sound for a result outside the limits. After a user specified time, the indicators clear and the system resets and waits for the flow to start again. A large, backlighted LCD graphic display provides easy to read indication of the dispensed total or flow rate in user programmable engineered units.

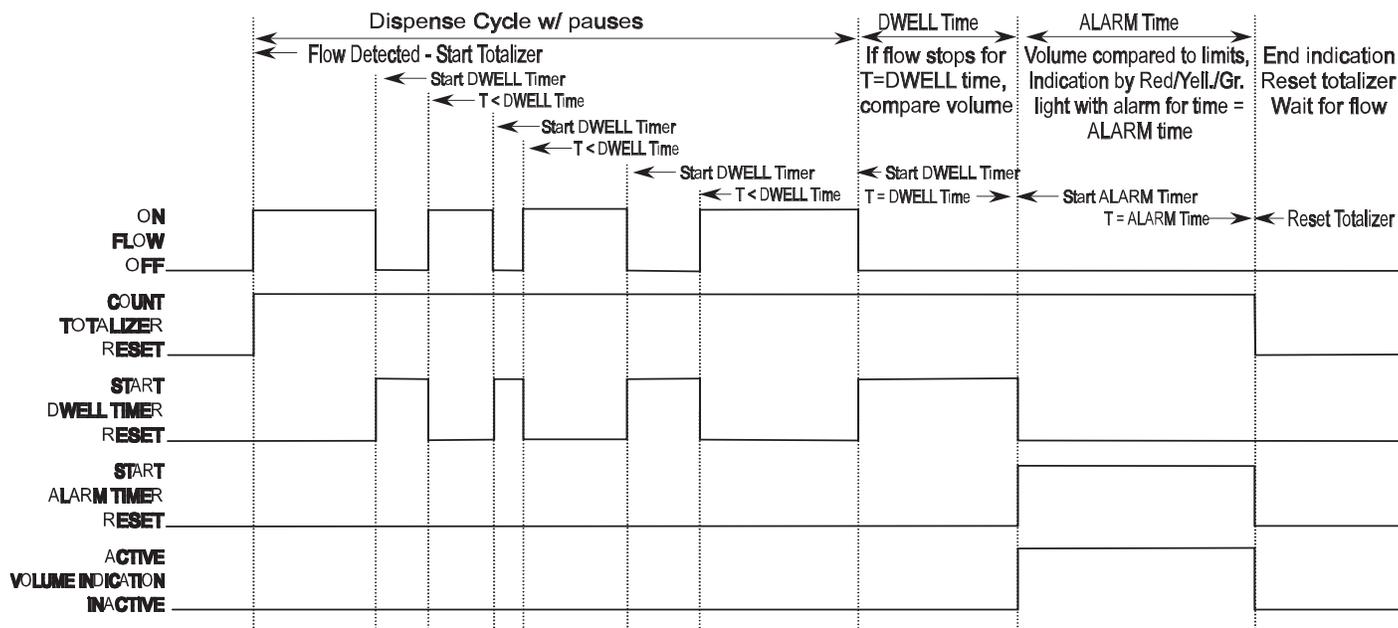


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DVV System

Dispensing Volume Verification System

Typical Timing Diagram



Specifications

System Timers:

DWELL Time: 0-99 Seconds Adjustable

Alarm Time: 0-99 Seconds Adjustable

Flowmeter Signal Input:

Frequency Input: 0-4 KHz, Sine, Square or Saw Tooth, 5 Volts minimum amplitude

Input Impedance: 10 Kohm

Flow Sensor Power Supply:

15 VDC, 40 mA
(Compatible with all AW Company Flowmeters)

Power Requirements:

Supply Voltage: 110-130 VAC, 2 Amps

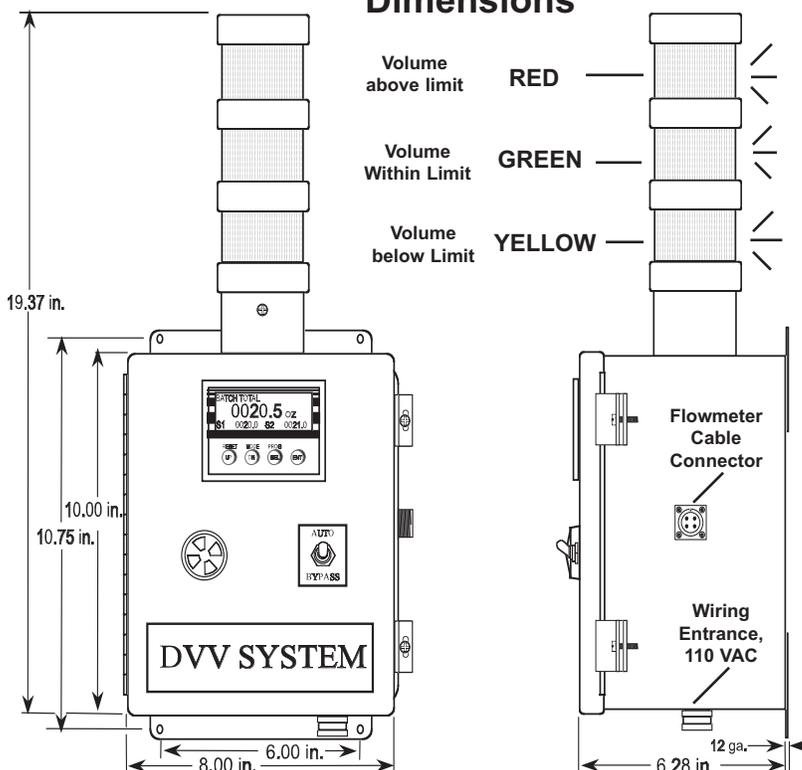
Physical:

Operating Temperature Range:
32-158°F (0-70°C)

Enclosure: NEMA 12&13

IP 52 & 54

Dimensions



Products may be subject to change without notice – Contact factory for current information