

***ICM—i-flow control module
operates in conjunction with
our i-flow Integrated
Flow Controller.***

*ICM displays data on LCD screen
and allows ease of use with front
panel input buttons.*



ICM *i*-flow Control Module

- ***Small package, compact unit***
- ***Displays interface controls***
- ***Provides a wide variety of control options***
- ***Allows operator to control discrete inputs which allow for time dispense, volumetric dispense or constant flow.***
- ***High and low flow alarm capabilities***
- ***Expert user in-situ calibration***

c o n t r o l l e r

Operation

The ICM operates in conjunction with the *i*-flow Integrated Flow Controller and allows the operator to monitor real-time flow, control set points, electronics, temperatures and status. The user has three discrete set point inputs for flow, volume and timed dispenses. The ICM control mode is used to program the *i*-flow's operation.

The LCD screens may be configured for data display on its front panel. This allows for unique configuration of site-specific flow control requirements. Another feature allows the user to switch between ICM control of the *i*-flow or control it via the analog input. In addition, the user also has the empowerment to recalibrate the controller via the ICM.

Specifications

ENCLOSURE

- Flame resistant Noryl case and bezel
- Display face: Polyester
- IP 65 (when panel mounted with bezel gasket installed)
- Flammability: UL 94

ENVIRONMENTAL

- Temperature: 10 – 40C
- Clean, dry enclosure for back of display.

ELECTRICAL

- Input Voltage: 24 Vdc, $\pm 10\%$
- Input Current for display only: 25 mA
- Input Current for display with *i*-flow attached: 1 A peak (500 mA typical)
- Voltage for Discrete Inputs: 24 Vdc $\pm 10\%$, 5 mA max. per input
- Alarm Output: dry contacts: 12 – 24 Vdc, 1 A max.

Features

The front of the ICM consists of:

- A 2-line character LCD display
- Three keys - UP ARROW - RIGHT ARROW - ENTER
- LEDs that indicate functional conditions

The back of the ICM consists of:

- Two, removable screw terminals: Terminal Block 1 (with 9 pins) and Terminal Block 2 (with 8 pins).
- Wires for 24 Vdc ICM power, flow-processor inputs 1 to 3, set point common, alarms, and CAN communications between the ICM and the *i*-flow Integrated Flow Controller are connected to the terminal blocks.

Ordering Information

Part Number 420-020

