



FLOW
LEVEL
PRESSURE
ANALYTICAL
TEMPERATURE
INSTRUMENTATION
PASTEURIZATION CONTROLS

"BC104" Batch Controller

- *Multi-line display provides simultaneous display of multiple variables*
- *Built in logic controller gives flexibility in operation and ability*
- *Easy to wire removable terminals*
- *Full numeric keypad simplifies operation*

The introduction of the BC-104 brings to Anderson's offering of superior products an extremely versatile and complete control package. To start, the BC-104 offers all of the capabilities of any stand alone batch controller in a single panel mount device. Then add to this package analog input capability, control inputs, and additional relay and analog outputs that are integrated using an internal programmable logic controller, and you have a device which can satisfy a multitude of custom processing needs. The possibilities range from tank selection or multiple preset capabilities to control of an additive dosing pump or a batch system with automatic supply selection and empty tank level alarms.

Features include flexible multi-line display with up to 5 lines, 5 relay outputs, RS-232 and RS-485 communication ports, NEMA 4X, available in a panel insertion form or in an optional stainless steel NEMA 4X enclosure that can be equipped with or without an integral pneumatic solenoid for valve operation. The BC-104 is ready to satisfy your specific processing needs.

For more information on this flow controller, or any of our Anderson Instrument Company products visit www.andinst.com or call our Customer Service Department at 1-800-833-0081

APPLICATIONS

- Batch Process
- Additional control capability of pump and process valves
- Flow Monitoring and Control
- Custom control of a variety of processes using available inputs and outputs



BC104 Specifications

Operating / Environmental

Operation: Indoor use
 Temperature: 32° to 122°F (0° to 50°C) operation
 -4° to 158°F (-20° to 70°C) storage
 Panel rating: NEMA 4X

Approvals: CE, UL Pending

Material / Construction

Enclosure: Polycarbonate / ABS Common mode
 Label: Polyester voltage rating 250 VAC

Electrical / Power / Signal

Power Requirement: 85-265 VAC, 47 to 63 Hz, 20 VA

INPUTS

Digital: 10
 Analog: 2 (4-20mA), 2 (0-10V)
 Counter: 3 (including reset)
 Impedance: 4.74kOhms to +5VDC or
 26.9kOhms to ground
 Thresholds: High 3.5V to 30 V
 Low 0 to 1.5V, or 200 mV p-p to 50 V rms

OUTPUTS

Power: 24 VDC +/- 15%, 100 mA max,
 short circuit protected
 12 VDC +/- 10%, 75 mA max,
 short circuit protected

Relay: 3 FormC
 2 FormA
 Contacts
 5A,250VAC,30 VDC
 Isolation 2300 VAC

Transistors: 2 NPN Darlington
 Ratings 150mA max ON Current
 30 VDC max OFF voltage

Analog: 1 (4-20mA <450 ohms)
 1 (0-10 V >2500 ohms)

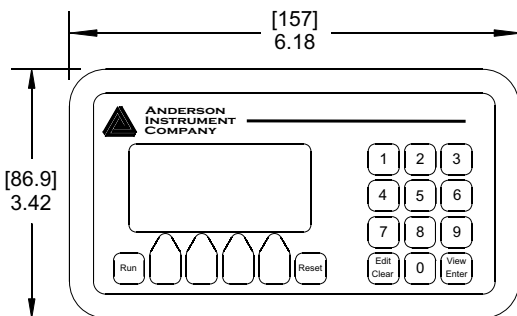
DISPLAY

128 X 64 pixel graphic
 LCD with LED backlight
 3 lines standard, programmable to 6 lines

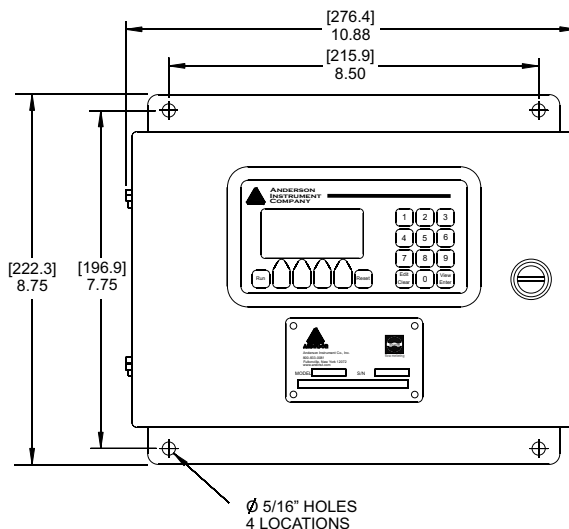
COMMUNICATION

RS232: 1200 – 19200 Baud DB-9s Connector
 RS-485: 1200 – 19200 Baud 6 wire RJ12 phone jack

All dimensions in
 [mm] inches



Recommended cut out dimensions 5.433"H x 2.677"W Depth 2.79"



HOW TO ORDER

B C 1 0 4

MODEL

P Panel Mount
 E Wall Mount with Stainless Steel Enclosure
 S Wall Mount with Pneumatic Solenoid

