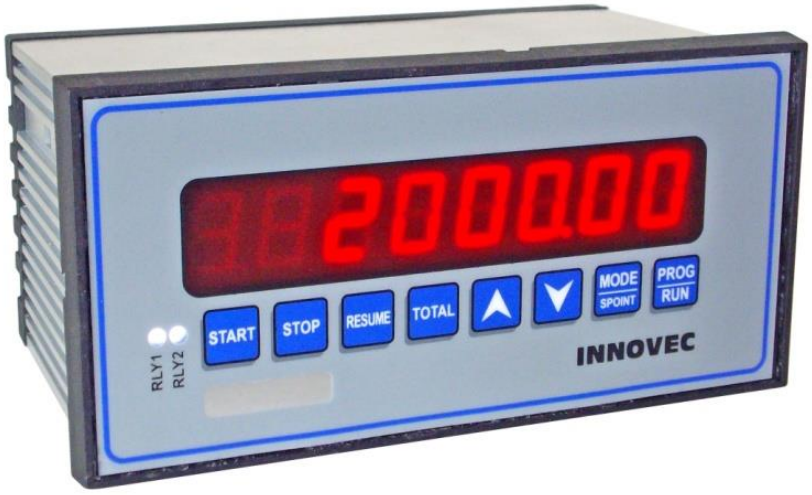
INNOVEC CONTROLS PTY LTD

INNOVEC IBC BATCH CONTROLLER



The **IBC Batch Controller** is a 85 to 265VAC or 12-40VDC powered batch controller for liquids that incorporates an eight (8) digit 14.2mm LED (light emitting diode) display. The instrument can batch in up or down mode and provide the excitation power supply for the flow sensor.

FEATURES

- Batch in local or remote mode up or down from set point
- Simple touch switch programming with English statement prompts
- Low cost - High performance
- High contrast LED display of 8 characters of 14.2 mm digit height
- Low flow alarm with batch cancel
- Programmable end of batch relay with an end of batch pulse of 0.0 to 99.9 seconds
- Background total
- Applications include water treatment, dosing, food ingredient batching and bottling
- Isolated sensor supply that can be adjusted from 8 to 20VDC
- Plug in screw terminal electrical connections
- Optional IP67 front silicon Bezel
- 85 to 265VAC 47-63 Hz supply or factory fitted 12 to 40VDC isolated supply

IBC Batch Controller is a powered batch controller for liquids that incorporates an eight (8) digit 14.2mm LED. The instrument can batch up or down and provide the excitation power supply for the flow sensor.

The IBC can operate in local manual mode by front panel touch switches for Batch Start, Stop and Resume or in remote mode as these functions are brought out to the rear terminal strip that will enable the control of the batch by PLC.

QAS INTERNATIONAL
ISO 9001:2015
REGISTERED COMPANY
Certificate No. AU1092

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TECHNICAL SPECIFICATIONS

Input Details

- The instrument accepts an input from 0 to 2KHZ and is dip switch selectable for open collector, reed, Hall, Namur and turbine signals (from 20mV peak to peak).

Display

- The IBC incorporates an eight (8) digit 14.2mm digit height high contrast (LED) display with a wide viewing angle and a viewing distance of 5 metres.

Totaliser Memory

- The instrument incorporates a background running total that is stored in EEPROM memory during loss of power. This total can be displayed by the front total touch button and reset by a normally open push button between terminals 1 and 7.

Low flow alarm

- The instrument incorporates a low flow alarm. If no input pulses are received in a user programmable period the low flow output becomes active and the batch is cancelled and LF ERR is displayed.

Environmental Parameters

- 0-70 degrees Celsius and 0-90% RH non-condensing.
- Front facia is weatherproof to IP65.

Connection Details

Terminal 1:Input Common (-)	Terminal 11:End of batch open collector output
Terminal 2:Input minus (-)	Terminal 12:Relay one normally open contact
Terminal 3:Input plus (+)	Terminal 13:Relay one normally closed contact
Terminal 4:Start	Terminal 14:Relay one common contact
Terminal 5:Stop	Terminal 15:Relay two normally open contact
Terminal 6:Resume	Terminal 16 Relay two normally closed contact
Terminal 7:Reset	Terminal 17:Relay two common contact
Terminal 8:8 to 24VDC sensor supply	Terminal 18:85 to 265VAC/24VDC active supply:
Terminal 9:Open collector pulse output per litre	Terminal 19: VAC neutral or 0VDC supply (-)
Terminal 10:Low flow alarm open collector output	Terminal 20:Ground supply

Power Supply

- 85 to 265VAC 47-63 Hz or DC to DC converter from 12 to 40VDC. An adjustable transducer power supply of 8 to 24VDC at 30mA is incorporated in the instrument.

Mounting Details

- Panel mounting extruded aluminium enclosure of case dimensions 144 mm wide by 72 mm high by 85 mm deep with a panel cut out of 139 mm wide by 66 mm high.

Batcher Operation

- The IBC is user friendly to operate. The batch size is set in from the front panel. Pressing the start button will energise output relay one and start liquid flow. Relay two will energise after its start value is exceeded. The display will increment in value as the batch progresses to the finish starting the end of batch output. Relay two can be programmed to start and stop anywhere in the batch cycle. The batch can be halted at any time with the stop button and restarted with the resume button which will re-energise the relay one and two causing the batch to continue from where it stopped; but not reset the batch counter.

Ordering information

- Model/input/display/power supply/options.
- Sample number IBC/CC/0-99999999/VAC.

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