

- Flow meter, batcher, totalizer
- 1 input 0/4-20 mA
- 1 programmable function input
- 0 or 2 relay (or OC) outputs
- Sensor supply output 24V DC
- RS-485 / Modbus RTU

DESCRIPTION

BFC118 are a flow integrator in tight, wall mounted case (IP 65), designed to work in tandem with the flow transducers with current output of 0-20 mA or 4-20 mA or pulse flow sensors. Wide range of total flow (up to 16 significant digits) enables flow volume control for a long time. Build in a batcher function makes possible application of BFC118 in a wide range of industry branches (food production, pharmacy, paint and varnish). The counters may have 2 relay (or OC) outputs, depending on the actual instantaneous, batcher or total values of the flow (only R1 output). Display of instantaneous and the total flow values, - batching and counting of doses, - setting the volume units, the flow time and decimal point, - settable delay time of control outputs: up to 99 sec. or min. and threshold hysteresis setting, - ACCESS option - easy threshold modification.

TECHNICAL SPECIFICATIONS

Construction : Wall mounting to IP65
Housing : ABS Fibreglass
Isolation : Input to output to supply
Indication : 3 x LED for outputs, 6-digit x 13mm high red LED (green on request)
Keyboard : 5 membrane keys

INPUT

Current : 0-20, 4-20mA
Binary : Programmable 24VDC

MODES

Flow precision : 0 ÷ 0.000
Flow unit : l or m3 per second, minute or hour
Total flow precision : 0 ÷ 0.000
Batcher counter range: 65536 m3
Counting range : 0 to 999999
Programming : Through keyboard

OUTPUT

Output : 0 or 2 outputs
Relay : 250VAC 1A, NO contact
OC : Open collector 30V/40mA
Sensor supply : 24VDC +5% -10% 100mA (not isolated)
Communication: RS485 MODBUS 1200 to 115100 bit/s (not isolated)

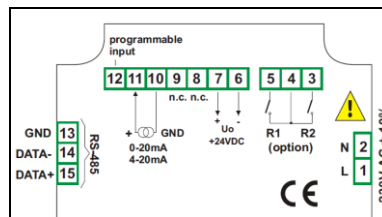


INSTALLATION

Supply : 115, 230VAC, 24VAC
 24VDC ± 15% not separated
Power consumption : 2,6 VA, max 4,5W
Ambient temp : -20 to +70°C, RH 0 till 85%
Mounting : wall-mounted
Protection class : IP65
Dimension : 110 x 80 x 67 mm;
 with glands: 110 x 105 x 67 mm
Weight : 500g

PERFORMANCE

Accuracy error : < 0.1% FS
Display : 6-digit LED, 3 LEDs
Keyboard : 5 membrane keys
Communication: RS485 MODBUS 1200 to 115100 bit/s
EMC : EN 50081-1, EN 50082-2, EN 61010-1
 73/23/EEC & 89/336/EEC



ORDER INFORMATION

BFC118-11XX-1-X-XX1

options:
 00 : no options
 08 : operating temp. -20°C + +50°C

power supply:
 1 : 24V DC
 2 : 230V AC
 8 : 110V AC

number of outputs:
 0
 2

type of outputs:
 0 : no output
 1 : REL
 2 : OC