

- Flow meter, batcher, totalizer
- 1 input 0/4-20 mA
- 1 programmable function input
- 2 or 4 relay (or OC) outputs
- Active current output (option)
- RS-485 / Modbus RTU

### DESCRIPTION

BFC94 are the flow integrator designed to work in tandem with the flow transducers with current output of 0-20 mA or 4-20 mA. 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 BFC94 in a wide range of industry branches (food production, pharmacy, paint and varnish). The counters have 2 or 4 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** : Panel design to standard DIN  
**Housing** : NORYL-GFN2SE1  
**Isolation** : Input to output to supply  
**Indication** : 5 x LED for outputs, 6-digit x 13mm high red LED (green on request)  
**Keyboard** : 5 membrane keys

### INPUT

**Current** : 0-20, 4-20mA  
**Programmable** : Binary 24VDC not isolated  
**Active front selection**: Programmable

### 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** : Up to 4 outputs  
**Current** : 0-24mA (option with 2 relays)  
**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** : 90 to 250VAC/DC, 16-35VAC or 19 to 50VDC  
**Power consumption** : 4,5 VA, max 4,5W  
**Ambient temp** : -10 to +50°C, RH 0 till 85%  
**Mounting** : Panel with bracket  
**Protection class** : IP65 front, IP20 rear (Option IP65 in frame)  
**Dimension** : B96 x H48x D102mm  
**Weight** : 200g with bracket

### PERFORMANCE

**Accuracy error** : < 0.1% FS  
**Display** : 6-digit LED, 5 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

BFC94-11XX-1-X-XX1

**options:**  
 00 : no options  
 01 : IP 65 frame

**power supply:**  
 3 : 24V AC/DC  
 4 : 85V - 260V AC/DC

**number of outputs:**  
 1 : REL (for 2 and 4 outputs)  
 2 : OC (for 2 and 4 outputs)  
 3 : 2 x REL + current output  
 4 : 2 x OC + current output

