

F113, F116 and F131 Universal converters with display

Applications

The universal converters are used as flow indicators and for batching control of miscellaneous liquids: water, industrial liquids, fuel etc.. These converters are designed for industrial environments. Four versions are available: flow totaliser F113, differential flow measurement F116, and batching control F131 (non explosive environment) and F131 Exi (explosive environment).



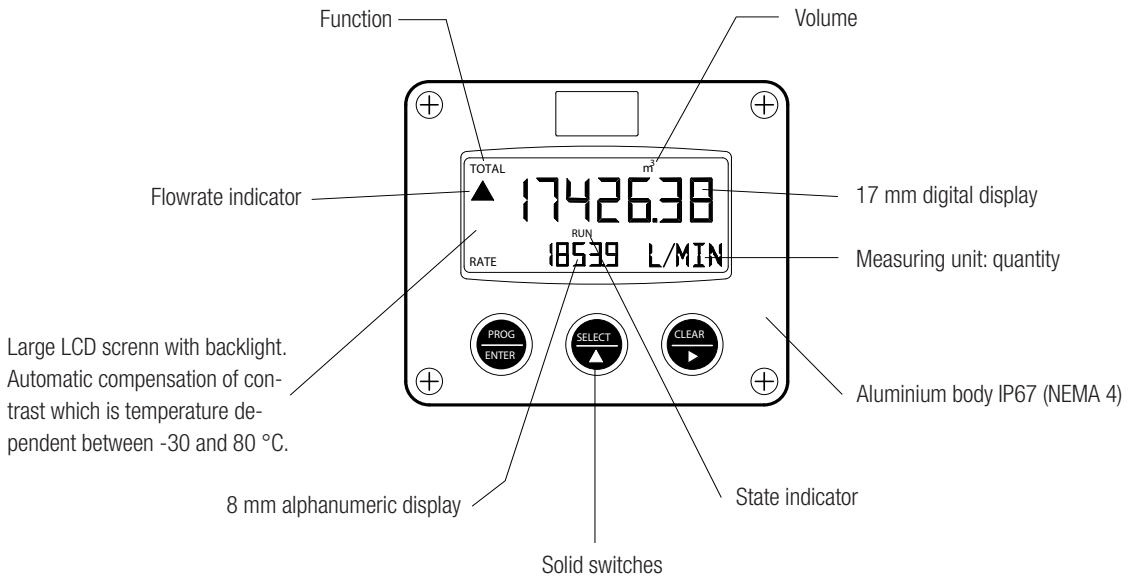
Features

- Large LCD screen with LED back-light
- Easy electrical connection
- Relay and analogue outputs
- Simplified programming
- Data stored in EEPROM
- Aluminium body painted IP67 (NEMA4)

Your benefits

- User friendly
- Flexibility for different needs
- Compact design
- Many possibilities for installation
- Convenient for all our flowmeter range
- Solid, resistant and long term robustness

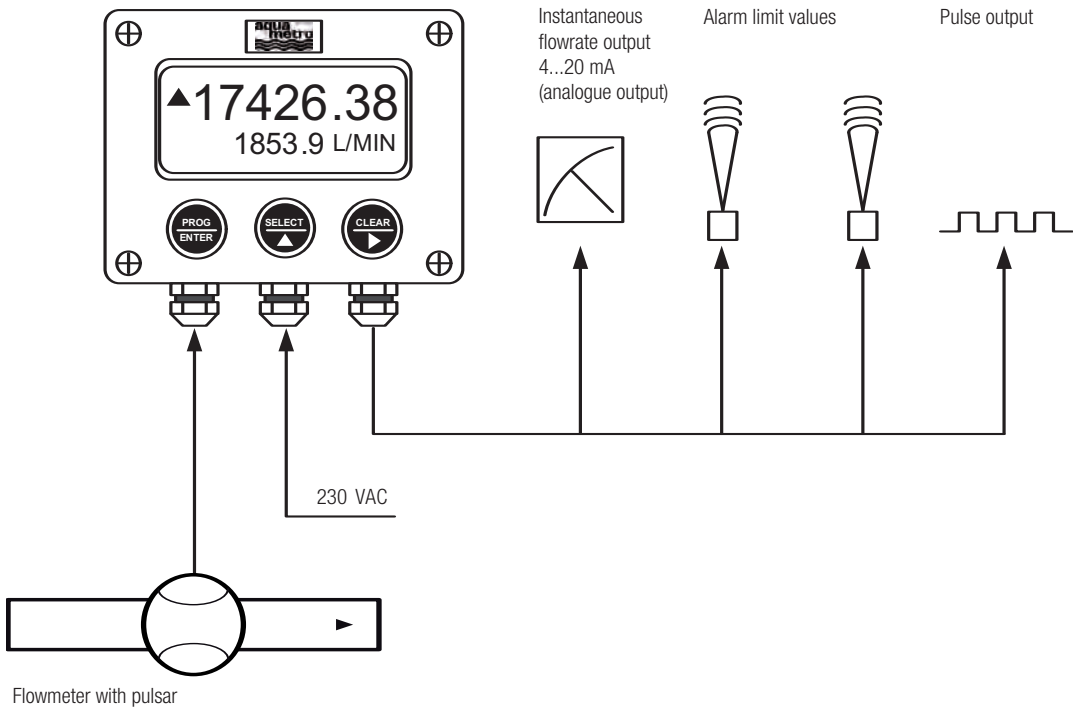
Display



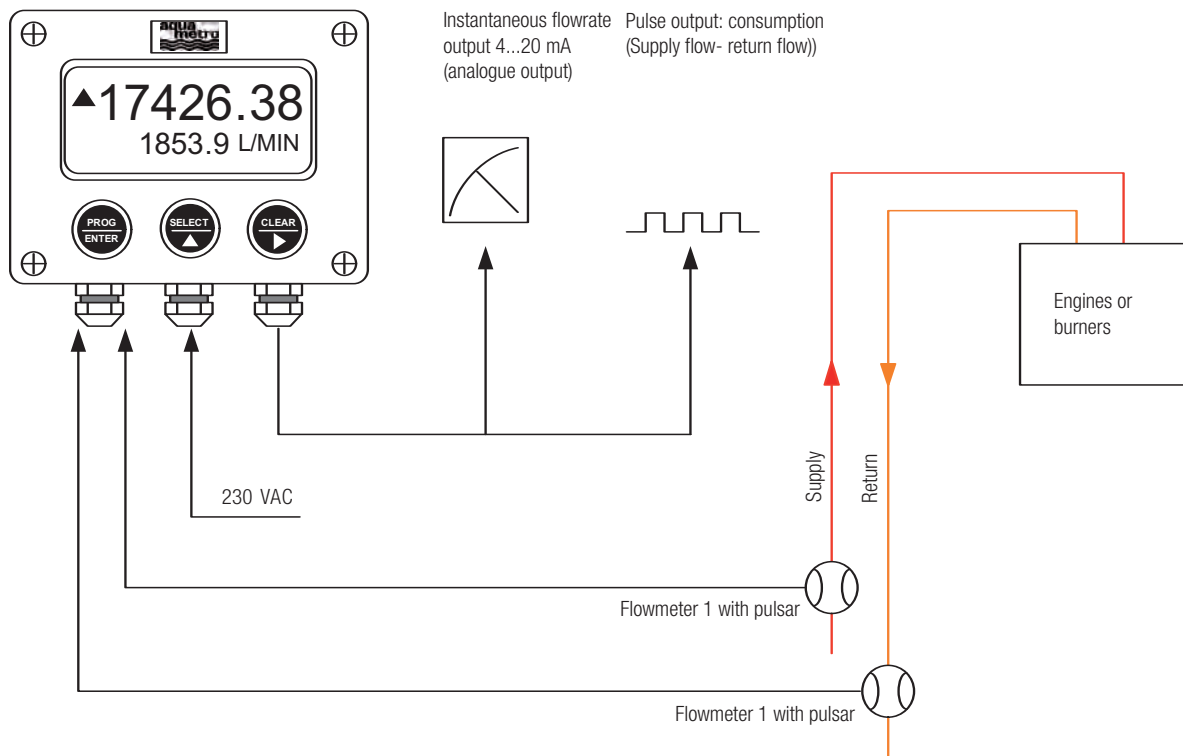
Uses

A device adapted according to needs.

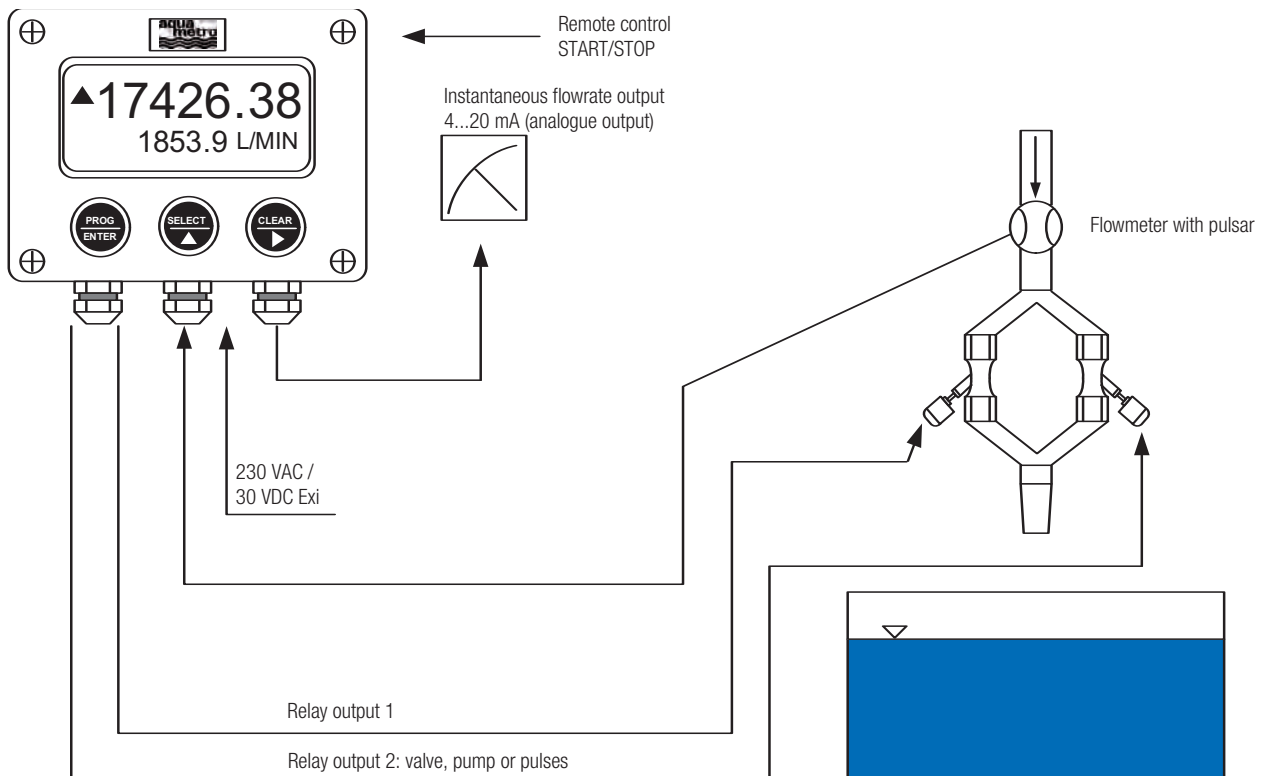
Flow totalizer F113



Differential flow calculator F116



Batching controller F131/F131Exi



Common functions

Version				
Batching control in explosive environments				F131Exi
Batching control in non explosive environments			F131	
Differential flow calculator		F116		
Flow Totalizer	F113			
Order No.	92439	92440	92441	92442
Totalizer				
• Total without reset	●	●	●	●
• Subtotal with reset	●	●	●	●
Flowrate indicator				
• Flow	●	—	●	●
• Supply flow	—	●	—	—
• Return flow	—	●	—	—
• Flow difference (consumption)	—	●	—	—
Outputs				
• Relay pulses; 2 relays, max . 240 VAC / 0,5 A, max. 5 Hz	●	—	●	—
• Active transistor pulses; 24 VDC / max. 20 mA, max. 60 Hz	●	●	—	—
• Passive transistor pulses; max. 50 VDC / 300 mA, max. 60 Hz	—	—	—	●
• Differential flow (active transistor)	—	●	—	—
• Limit switch max. / min. flowrates	●	—	—	—
• Active analogue signal; 4...20 mA, 24 VDC, max. load 1000 Ohm	●	●	—	—
• Passive analogue signal; 4...20 mA, max. 30 VDC	—	—	●	●
Measuring units				
• Volume ml, l, m ³ , USG	●	●	●	●
• Time per : second, minute, hour, day	●	●	●	●
Installation				
• Wall mounted	●	●	●	●
• Front panel	●	●	●	●
Power supply				
• 230/115 VAC 50/60 Hz	●	●	●	—
• 10...28 V AC/DC Exi	—	—	—	●
• Backlight display	●	●	●	—
• Connector block for max.1.5 mm ² wires	●	●	●	●
Body				
• Aluminium IP 67 / NEMA 4	●	●	●	●
Input				
• Pulsar (Reed, NAMUR, open collector transistor, relay)	●	●	●	●
Ambient temperature				
• -30... 80 °C	●	●	●	—
• -30... 70 °C	—	—	—	●
Security				
• Saving data in EEPROM	●	●	●	●
• EMC acc. to EN 50081 and EN 50082	●	●	●	●
• Certified for Ex EEx ia IIB T4	—	—	—	●

Installation possibilities

Front panel mounting



Wall or mounting on DIN rail (option)

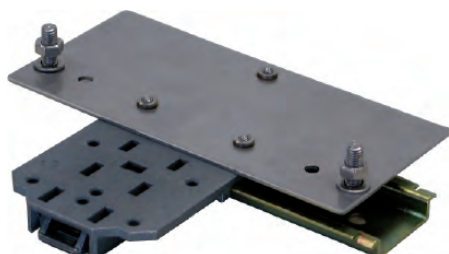


Compact mounting on a DOMINO flowmeter



Mounting accessories (option)

Mounting kit for wall or DIN rail



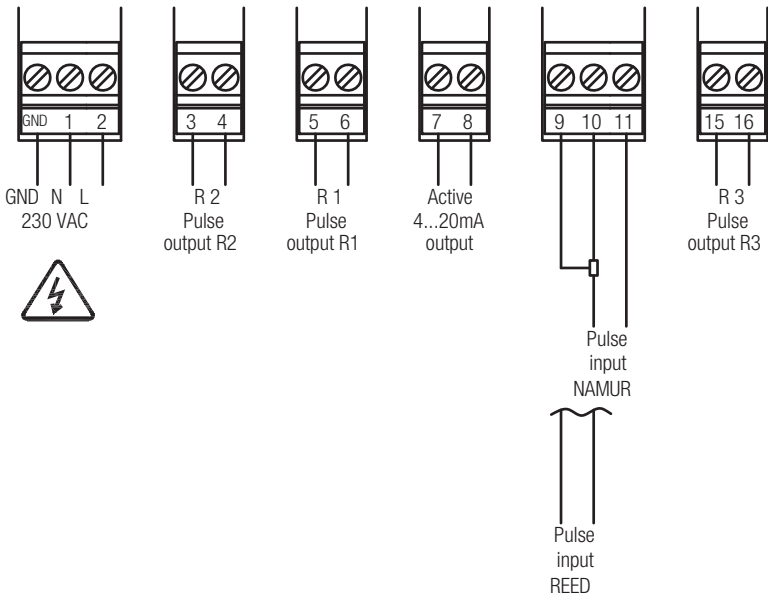
Compact mounting on a DOMINO flowmeter



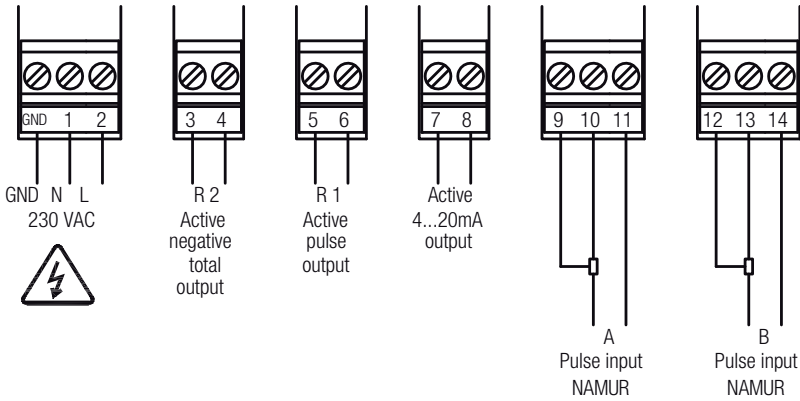
Accessories	Type	Order No.
Mounting kit for wall or DIN 35 mm rail	MS-WDS	80082
Compact mounting on a DOMINO or CONTOIL® flowmeter	MS-KP	80083

Electrical connections

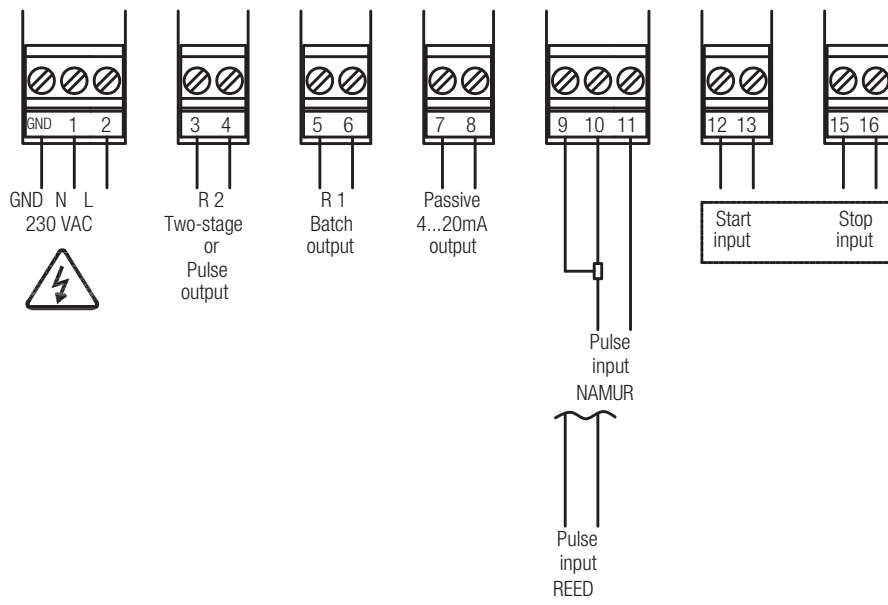
F113



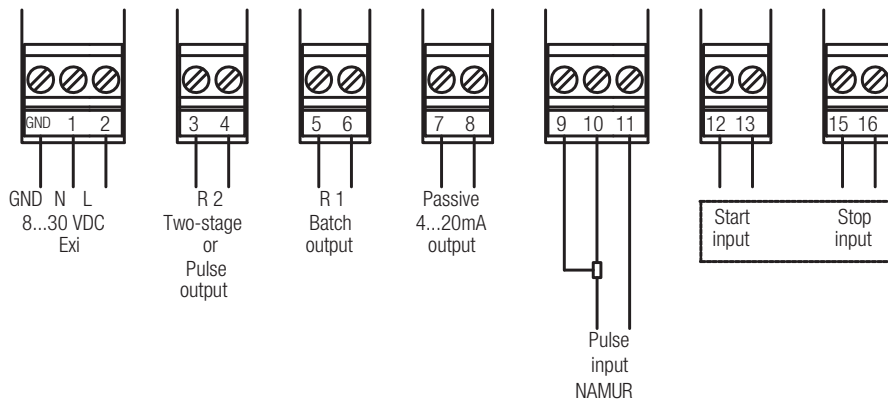
F116



F131

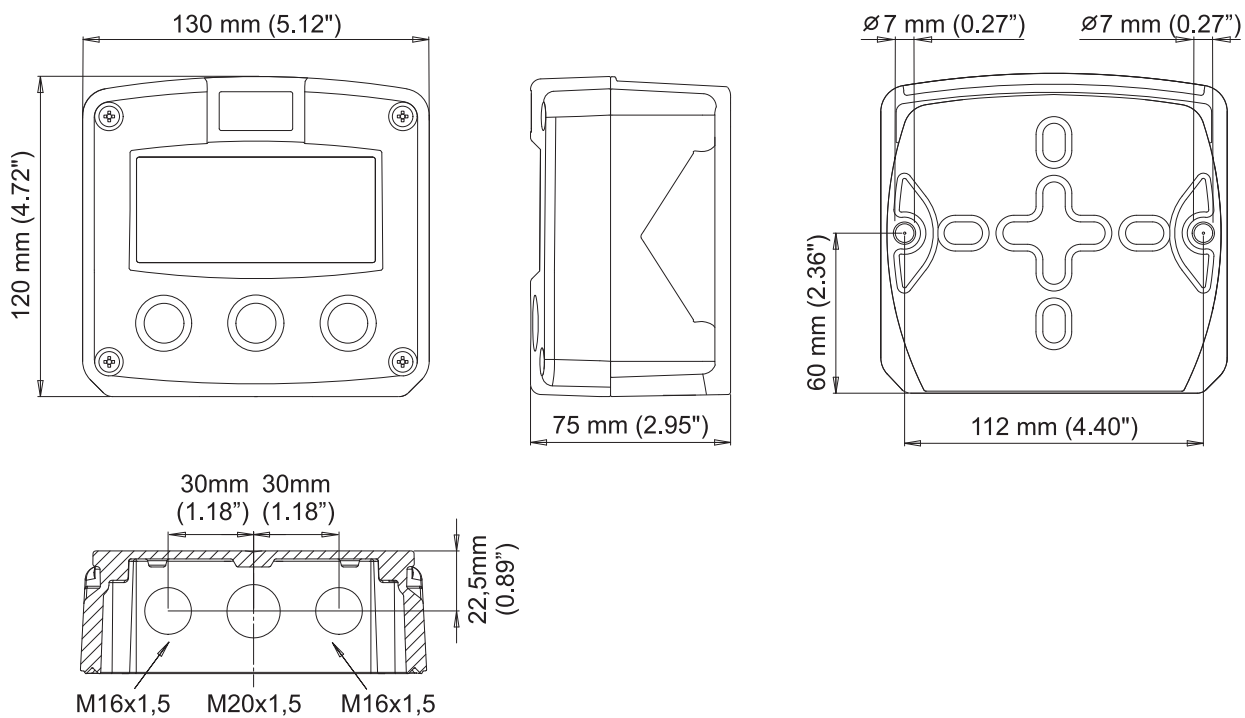


F131 Exi

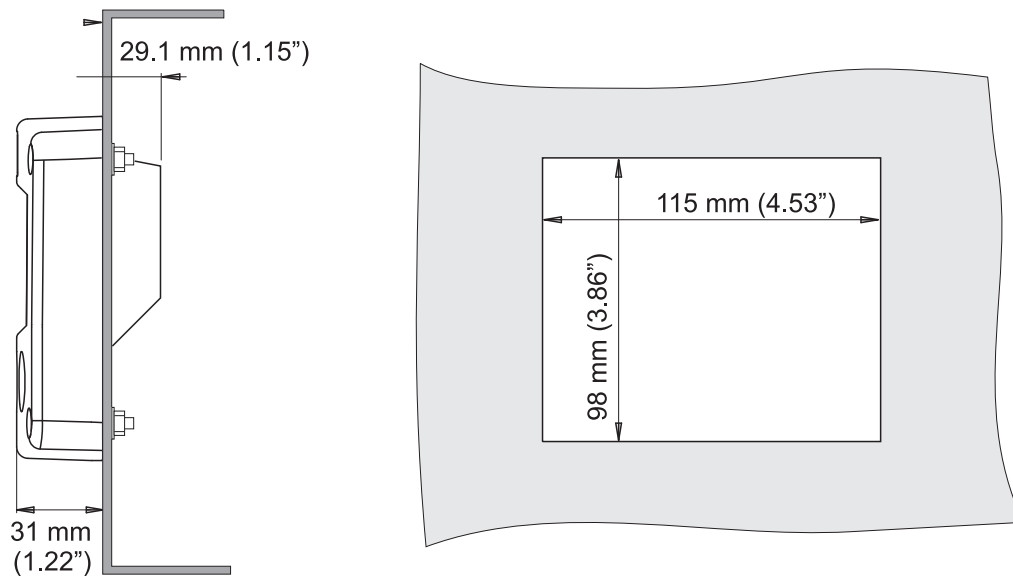


Overall dimensions

Wall mounting



Front panel mounting



Authorised Channel Partner in India

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