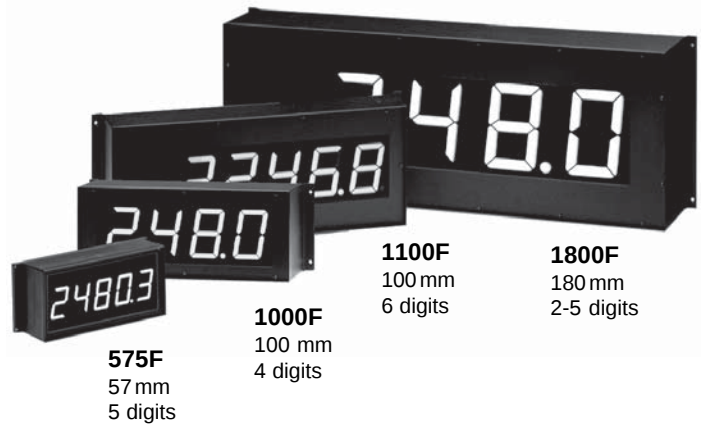


Large field displays for counter inputs 575F, 1000F, 1100F ja 1800F-2061

- Digit size 57, 100 or 180 mm
- NPN, PNP, Namur or contact sensors
- Pulse frequency 0...5 kHz
- Count up or down
- Scaleable display per pulse
- Display memory
- Alarm / batch function
- Case protection IP65
- Sensor supply 24 VDC, max. 40 mA
- Power supply 85-240VAC tai 24 VDC



The field display series 2061 is designed for pulse counting and batch control in applications where a readability of 20 to 100 metres is required.

The incoming pulses are freely scalable on display to correspond the wanted number value, e.g. 1 incoming pulse equals to 5,34 on display. Display memory stores the calculated value in memory for one week after power supply break.

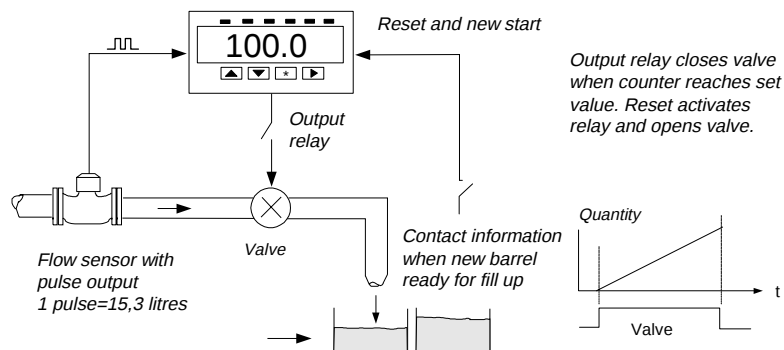
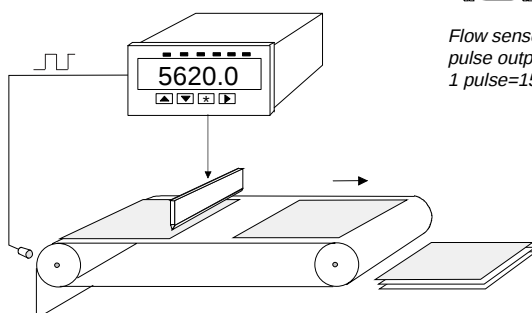
The preset function makes it possible to use the counter as a batch controller as well. Counting can be done up- or downwards from the preset value. Function units can be managed by the output relay. New counting can be started automatically or manually by an outer key.

Large field counters are part of a larger display series where by changing the input/output cards the display can be modified to other input values such as temperature, serial or frequency input. Two power supply possibilities, one for 85..240 VAC and the other for 24 VDC, both galvanically isolated from input/output. Readability of the displays is also good outdoors if exposure to direct sun light is prevented by using a sun cover. Case protection is IP65.

Readability of displays:	Digit size	Distance
	57 mm	20..30 m
	100 mm	40..50 m
	180 mm	ca.100m

Application examples

Picture on the right shows application of flow sensor with pulse output. Below an application from piece goods automation.



Scalable pulse input may be set to indicate real value on display, e.g. 1 pulse corresponds to 5,3 m³ on display or 1 pulse corresponds to 15,3 litres.

Technical specification:

Sensors: NPN, PNP, Namur, closing contact
Input voltage levels: 0 = < 1V, 1 = 5..32V
Sensor supply: 24 VDC $\pm$ 5%, max. 150 mA
Input frequency range: 0..5 kHz
Decimal selection: 0,001..1
Display scaling: freely by configuration keys

Measuring method:

Counting of input pulses into counter. You can multiply the counter value by a desired number value. The result is shown on display.

Output:

Alarm relay will be activated when the set point is reached.
 Alternatively loop-function; display is reset at alarm value automatically and relay is activated for only 200 mS.

Serial output:

RS232 and RS485. Serial output only for measurement reading. Baud rate and address (RS485 selectable).

Relays:

You can set alarm value by button inside the case.
 Relay contacts max. 230 VAC, 0,5 A. Alternatively semiconductor relays 60 V / 0,5 A

Display memory:

Add-on card 2000-MEM stores display for 1 week without power supply.

General

Power supply 85..240 VAC or 24VDC (12W)

Models:

575F5-2061

Digit size 57 mm, 5 digits
 Dark grey plastic enclosure, IP65

1000F4-2061

Digit size 100 mm, 4 digits
 Black steel enclosure, IP65

1100F6-2061

Digit size 100 mm, 6 digits
 Black steel enclosure, IP65

1800Fx-2061

Digit size 180 mm, 2-5 digits
 Black steel enclosure, IP65
 x = number of digits, please specify in your order

How to order:

Model

1000F6-2061-MEM-REL2-24VDC

Model

Number of digits

Input card 2061

Memory card MEM

Relay card REL2

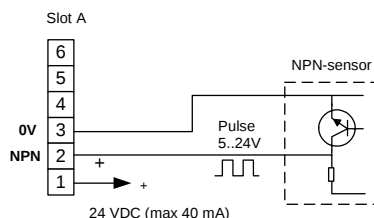
Power supply

85-230VAC or 24VDC

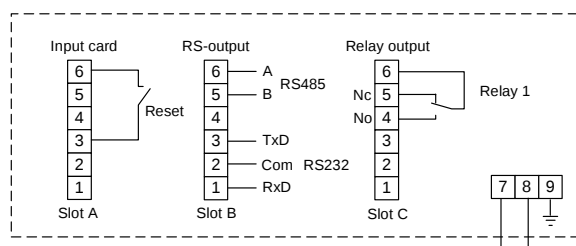
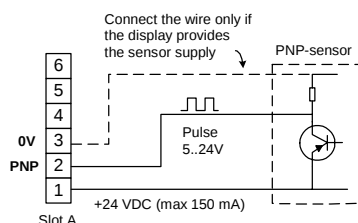
The counter is also available for analog inputs 0/4-20 mA or 0-10 V, series 575F-1800F-**2026**

Connections:

NPN-sensor



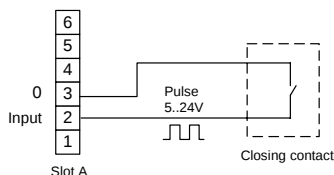
PNP-sensor



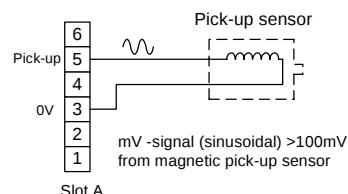
Slot A is always for input cards and slots B and C for optional cards

Power supply 85..240 VAC or 24VDC (no polarity)

Closing contact



Pickup-sensor



Dimensions:

Dimensions shown in the order:
 575F, 1000F, 1100F, 1800F

1000F-1800F metal enclosure
 575F plastic enclosure

Glands: 2 x PG 11

