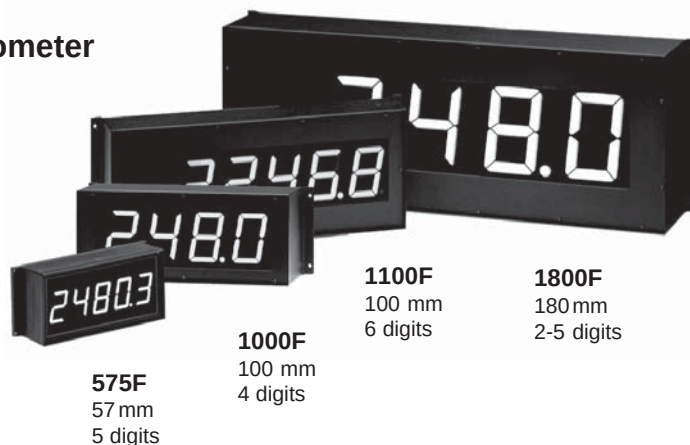


Large field displays for process inputs 575F, 1000F, 1100F and 1800F-2011

- Inputs 0/4..20 mA, 0..5/10 V and potentiometer
- Digit size 57..180 mm, 2..6 digits
- Display scaling is freely adjustable with a minidisplay inside the case
- 2 alarms as option
- External reset for alarms
- Power supply 85..240 VAC or 24 VDC
- Case protection IP65



Field displays are designed for process inputs where a readability of 20 to 100 metres is required. Input selection and display scaling is easy with the keys inside the case and with a 6-digit minidisplay. Optional two alarm relays with change-over contacts available.

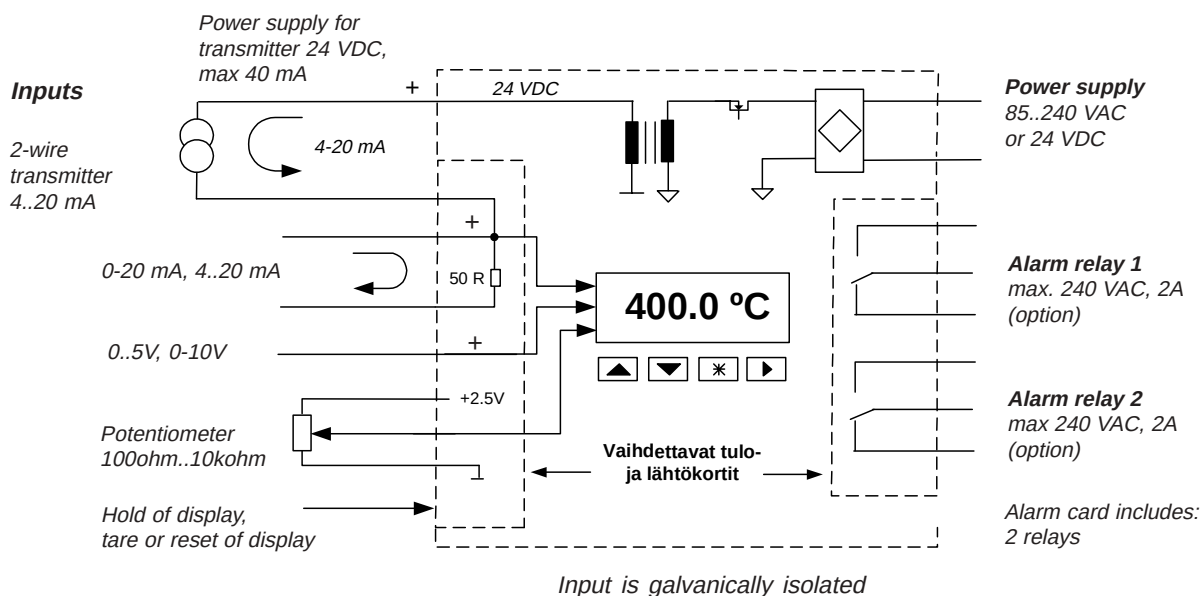
The field display can supply 24 VDC (max. 40 mA) to sensors. Analog conversion is done by a 15-bit AD-converter (resolution 1/32000). The display can be damped by a digital filter. The decimal point position on display is freely selectable. Access to the programming stage can be prevented by a password. The display also has a tare possibility with an external key. Two power supply possibilities, one for 85..240 VAC and the other for 24 VDC, both galvanically isolated from

input/output. The unit can easily be updated for other sensor types by only changing the input card for frequency, pulse or serial bus inputs.

The displays can also be used 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. 100 m

Principle of process displays



Specifications:

Process inputs: 0..20 mA, 4..20 mA, 0..5 V ja 0..10 V
 Impedance current 50 Ω , voltage >1 M Ω
 Accuracy 0,05% of span
 Linearity 0,01% of span
 Stability typical 0,003 $^{\circ}\text{C}/^{\circ}\text{C}$
 Transmitter supply 24 VDC, max. 40 mA

Potentiometer: 100 Ω ..10 k Ω
 Reference voltage 2,5 V, max. load 25 mA
 Stability 50 ppm/ $^{\circ}\text{C}$
 Accuracy 0,05 % of span

Alarms (option): 2 relays, max. 240 V, 2 A, hysteresis
 0..100%, automatic or manual reset

General:

AD-converter: 15 bits(1/32000)
 External contact: Display hold, alarm reset or tare function (zeroing)
 Power supply 85..240 VAC or 24 VDC $\pm$ 15%
 Configuration Keys inside the enclosure
 Display hold External contact
 Operating temp. -35..+50 $^{\circ}\text{C}$
 Weight (575F) 3 kg, (1000F) 5 kg, (1100F) 8 kg, (1800F) 15 kg
 Case protection: IP65

Models:

Model 575F

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

Model 1000F

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

Model 1100F

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

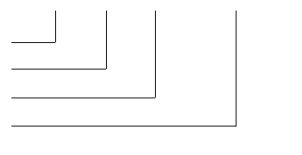
Model 1800F

Digit size 180 mm, 1-5 digits, red LED
 Black steel enclosure, IP65

How to order:

1000F4-2011-REL2-230VAC

Model
 Number of digits
 Input card 2011
 Alarm card 2000-REL2
 Power supply
 230 VAC or 24 VDC

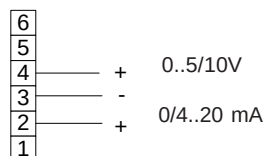


The number of digits is fixed in models 575F, 1000F and 1100F.

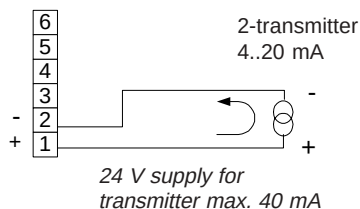
All models can be updated for other inputs by only changing the input card for temperature sensors, pulse or serial inputs.

Connections:

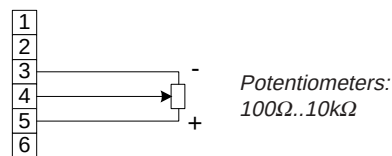
Current input



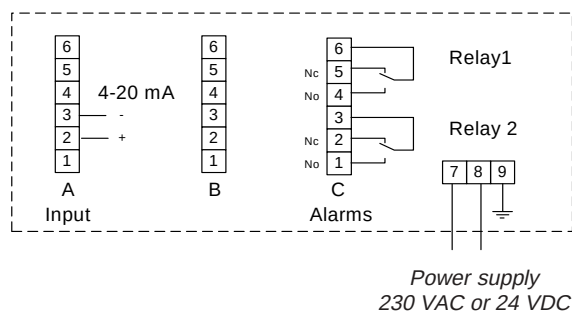
2-wire transmitter



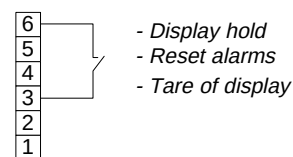
Potentiometer



Terminals:



External closing contact:



Dimensions:

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

Glands: 2 x PG 13

