4 digit panel instrument DM400

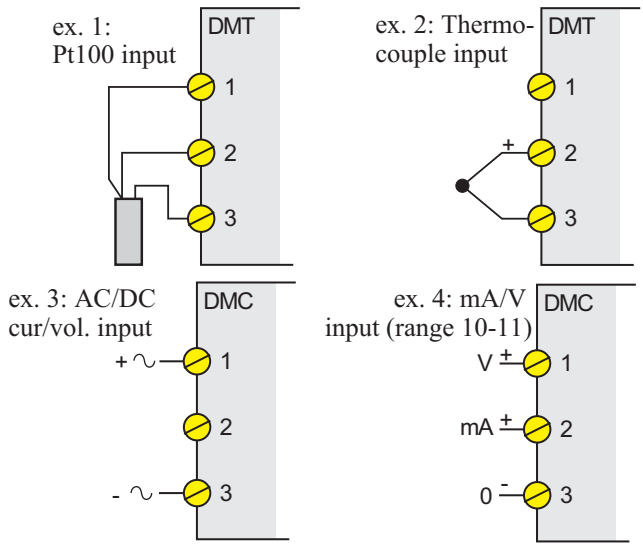
Programmable panel instrument
Current, voltage or temperature indication
Programmable range, function and setpoints
Galvanic isolation between supply and internal electronics
Made in accordance with the CE and EMC regulations

DMC400 and DMT400 are 4-digit panel instruments, which in addition to metering display can be programmed with 2 setpoints and time-delay.
DMC400 is available in several variants for indication of current and voltage, and display range as well as set-points and time-delays are programmable.
DMT400 is made for temperature metering, and it is available in several variants for either Pt100 or thermo-couple sensors.
On the DMT-units it is not possible to adjust the display range, but set-points and reaction-delays are programmable.

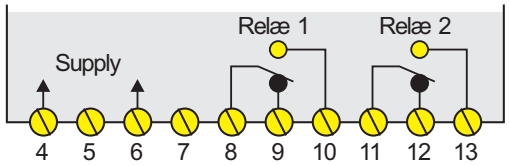
Technical data:

Supply voltage:	12-48 V AC/DC 24,120 or 230 V AC The supply voltage is galvanically isolated from the internal electronics. (test voltage 4 kV AC)
Power consumption:	2 VA
Operating temp.:	-10°C to +50°C
Humidity:	0 - 90% RH, non-condensing
Protection:	IP 54
Temp.coefficient:	max. 0,01% / °C
Metering ranges:	see ordering guide.
Programmations:	
Display reading:	-1999 to +1999 (only DMC400).
Decimal point:	after 1., 2., 3. or 4. digit.
Relay function:	2 off SPDT.
Hysteresis:	programmable, relating to setpoint.
Time delay:	relay function, 0,1 to 10 sec.
See detailed users guide for further informations.	
Digit height:	14 mm.
Input impedances:	see ordering guide
Accuracy:	
DMC400:	AC: 0,3% of the range +/- 1 DC: 0,1% of the range +/- 1
DMT400:	0,1% of the range +/- 1
Mech. dimensions:	in accordance with DIN 43700
L x W x D:	48 x 96 x 105 mm.
Panel cut-out:	43 x 91 mm.
Weight:	350 g.
Materials:	NORYL, SE1
Connections:	screw terminals, max. 1,5 □ mm.

Connections, inputs:



Connections, supply and relays:



Ordering guide, DMT400:

DMT400-aaa-b

aaa = supply	b = metering range	
012 = 12-48 V	1 = Pt100	-50,0 - +300,0°C
024 = 24 VAC	2 = Pt100	-50 - +800°C
120 = 120 VAC	3 = Fe-const.	0 - +1400°C
230 = 230 VAC	4 = NiCr-Ni	0 - +1400°C
724 = 24 VDC	5 = PtRh-Pt10%	0 - +1800°C
	6 = PtRh-Pt13%	0 - +1800°C

Ordering guide, DMC400:

DMC400-aaa-b aaa = supply, see above

b = metering range	input impedance
10 = 4-20 mA / 2-10 V	I: 50Ω V: 500kΩ
11 = 0/4-20 mA / 0/2-10V	I: 50Ω V: 500kΩ
12 = 0 - 200 mA DC	5 Ω
14 = 0 - 200 mA AC	5 Ω
15 = 0 - 5 A AC	0,2 Ω
16 = 0 - 500 V DC	1,1 MΩ
17 = 0 - 500 V AC	100 kΩ