DISP-PAXDP — DUAL INPUT DISPLAY

Dual independant process input meter

Features

o A math function can be performed on the two signals. Any of the 3 meter values can have alarms, analog output or comms by adding optional card.
o Intuitive and easy programming (high flexibility)
o Variable intensity display
o 16 points scaling for linearization
o Programmable function keys/user inputs
o Options
- 4(0)...20mA or 0...10V analog output
- 2 or 4 setpoints with relay outputs
- RS232, RS485, USB or fieldbus capabilities
- NEMA 4X/IP65
- Desktop or industrial steel housing
- Rail DIN adaptor

Applications

o Industrial weighing
o Force or torque measurement
o Mass flow measurement (weight speed)

Functions

Reset (tare), Maximum and minimum memories, Smart filter,
Totalization of several measurements, Protection code, ...

Specifications	DISP-PAXDP	DISP-PAXDP-24	
Type	Dual process input meter	Dual process input meter	-
Input range	±20mA / ±10VDC*	±20mA / ±10VDC*	-
Sensor excitation	18VDC ± 20% @70mA max. per input channel	18VDC ± 20% @70mA max. per input channel	-
Display	5 digits (14.2 mm)	5 digits (14.2 mm)	-
Accuracy	0.1	0.1	% F.S.
A/D converter	16 bit	16 bit	-
Converter rate	Up to 20 readings /s	Up to 20 readings /s	-
Service temperature range	0...+50	0...+50	C
Storage temperature range	-40...+60	-40...+60	C
Power supply	85...250 VAC (21VA)	18...36 VDC (13W), 24VAC (16VA)	-
IP Rating	IP54**	IP54**	-

* : Configurable at user's level
** : IP rating for front panel only
F.S.: full scale - Specifications subject to change without notice

DISPLAY

model DISP PAXDP

CE

Power supply : 85 to 250 VAC / 10–30 VDC IP54
   DISP PAXDP   :85 to 250 VAC– Input 4–20 mA – 0/10 V – Ohms
   ” ” PAXDP–DC: 10–30 VDC   – ”

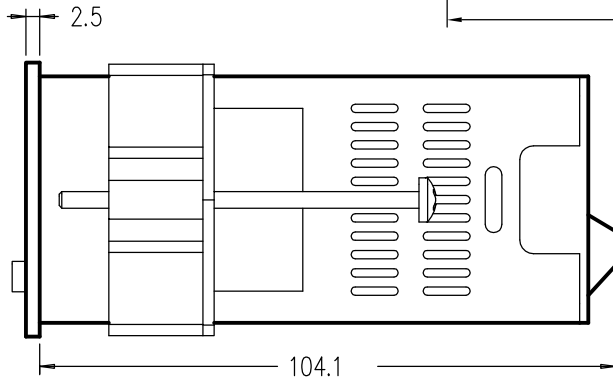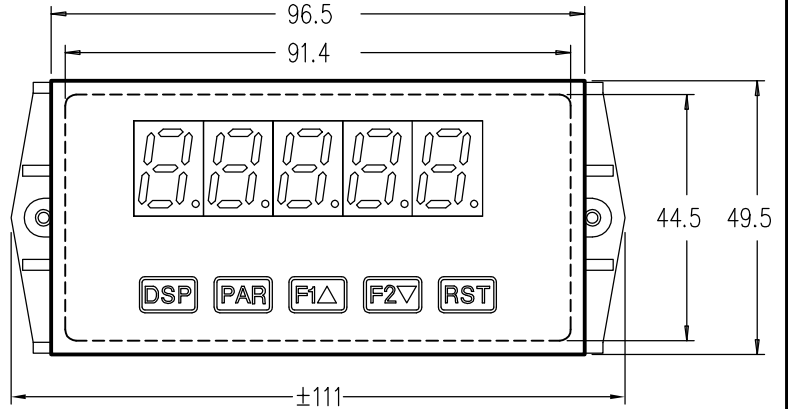Options :
CARD CDL10 = 4–20 mA / 0–10 V output
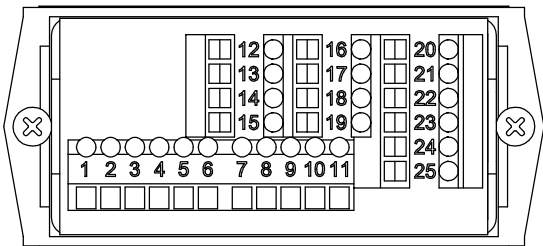CARD CDC20 = RS232 output
CARD CDC10 = RS485 output
CARD CDS20 = 4 Relays output
CARD CDS10 = 2 Relays output
F= Splashproof Cover IP 65

96.5
91.4
44.5 49.5
±111

DSP PAR F1△ F2▽ RST

2.5

104.1
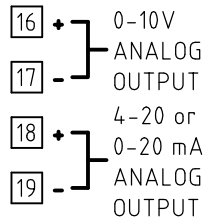
Note:
recommended min.
clearance (behind
the panel) for
mounting is
depth 140 mm and
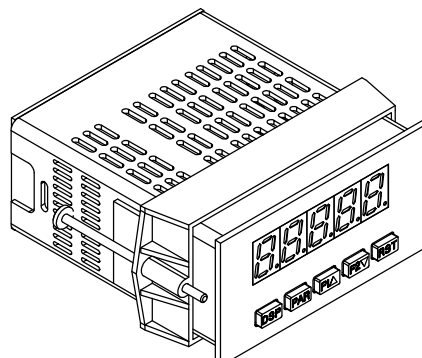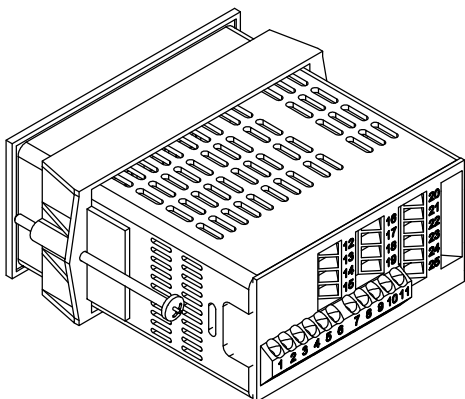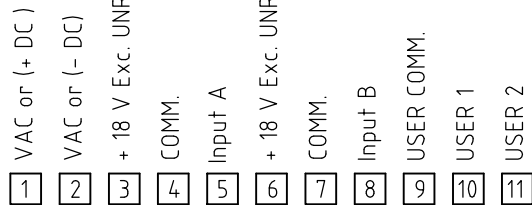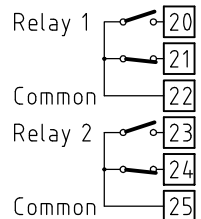heigh 53.4mm.
Panel cut–out
92mm (–0+0.8)
45mm (–0+0.5)

12 16 20
13 17 21
14 18 22
15 19 23
      24
1 2 3 4 5 6 7 8 9 10 11 25

CARD CDL10

16 +   0–10V
17 –   ANALOG
       OUTPUT
       4–20 or
18 +   0–20 mA
19 –   ANALOG
       OUTPUT

CARD CDS20

Relay 1   20
Common   21
Relay 2   22
Relay 3   23
Common   24
Relay 4   25

CARD CDS10

Relay 1   20
             21
Common   22
Relay 2   23
             24
Common   25

VAC or (+ DC)   1
VAC or (– DC)   2
+ 18 V Exc. UNREG   3
COMM.   4
Input A   5
+ 18 V Exc. UNREG   6
COMM.   7
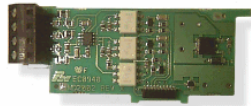Input B   8
USER COMM.   9
USER 1   10
USER 2   11
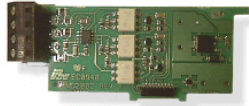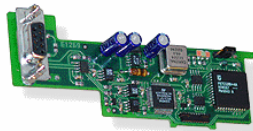
CARD-CDC10
- RS485 field bus communication interface
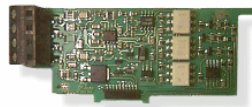- Available with crew terminals or DB9 connector

CARD-CDC20
- RS-232C half duplex communication interface
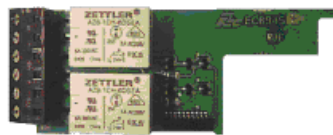- Available with crew terminals or DB9 connector

CARD-CDC50
- Profibus-DP (EN 50170) communication interface

CARD-CDL10
- Analog output signal: 0-20 mA, 4-20 mA, or 0-10 VDC (*)

CARD-CDS10
& CARD-CDS20 (already included in load limitation electronics)
- 2 or 4 set-points activating each an independent relay

It is possible to install up to 3 different option cards in the same panel meter. These options have to be of different type.
Ex. :   CARD-CDS-20 + CARD-CDL10 + CARD-CDC20 is available
         CARD-CDS20 + CARD-CDS10 or CARD-CDC10 + CARD-CDC20 is not available

Full technical documentation available on request