CE

INDI-PAX DISP-PAX

ANALOG INPUT PANEL METERS

Universal panel meters for using with transducers and process signals

INDI-PAX / DISP-PAX

Features

o Strain gauge, process, voltage and current inputs
o Intuitive and easy programming (high flexibility)
o 16 points scaling for linearization
o Programmable function keys/user inputs
o Variable intensity display
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 Remote display

Functions

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

Specifications	INDI-PAXS	INDI-PAXS-24	DISP-PAXP	DISP-PAXP-24	DISP-PAXD	
Type	Single strain gauge input meter	Single strain gauge input meter	Single process input meter	Single process input meter	Single voltage or current meter	-
Input range	± 24mV / ±240mV*	± 24mV / ±240mV*	20mA / 10VDC*	20mA / 10VDC*	0,2mA...2A / 200mVDC...300VDC*	-
Sensor excitation	10 VDC @125mA max**	10 VDC @125mA max**	24VDC ± 5% @50mA max.	24VDC ± 5% @50mA max.	24VDC ± 5% @50mA max.	-
Display	5 digits (14.2 mm)	5 digits (14.2 mm)	5 digits (14.2 mm)	5 digits (14.2 mm)	5 digits (14.2 mm)	-
Accuracy	0.1	0.1	0.1	0.1	0.1	% F.S.
A/D converter	16 bit	16 bit	16 bit	16 bit	16 bit	-
Converter rate	Up to 20 readings/s	Up to 20 readings /s	Up to 20 readings /s	Up to 20 readings /s	Up to 20 readings /s	-
Service temperature range	0...+50	0...+50	0...+50	0...+50	0...+50	C
Storage temperature range	-40...+60	-40...+60	-40...+60	-40...+60	-40...+60	C
Power supply	85...250 VAC (15VA)	11...36 VDC (11W), 24VAC (15VA)	85...250 VAC (15VA)	11...36 VDC (11W), 24 VAC (15VA)	85...250 VAC (15VA)	-
IP Rating	IP54***	IP54***	IP54***	IP54***	IP54***	-

* : Configurable at user's level
** : 5 VDC @65mA max (jumper selectable)
*** : IP rating for front panel only
F.S.: full scale - Specifications subject to change without notice

INDICATOR

model INDI PAXS

CE

Power supply : 85 to 250 VAC / 24 VAC / 10–30 VDC IP54
INDI PAXS   :85 to 250 VAC– Strain gages input
" " PAXS–24: 24 VAC   – "   "
" " PAXS–DC: 10–30 VDC   – "   "

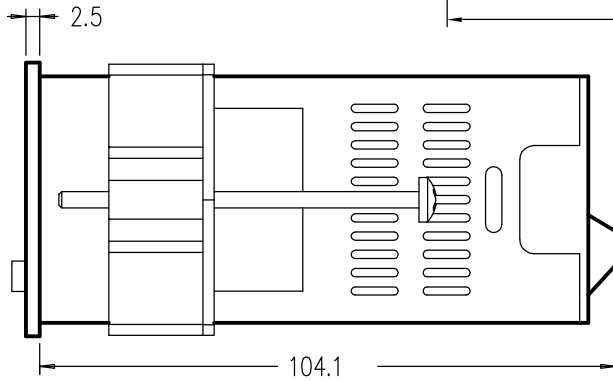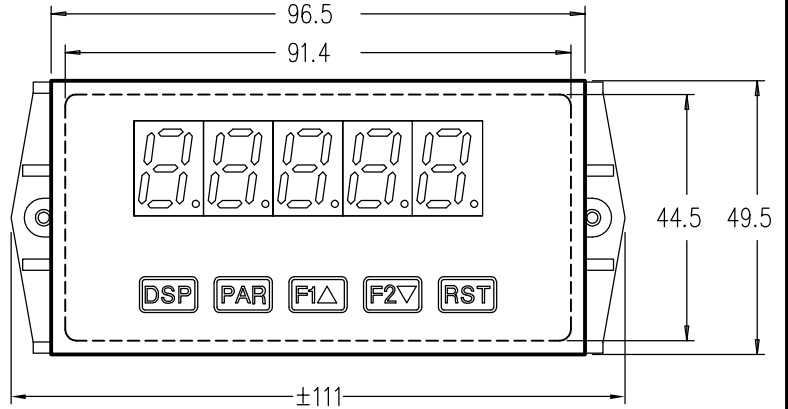Options :
CARD CDL10 = 4–20 mA / 0–10 V output
CARD CDC20 = RS232 output
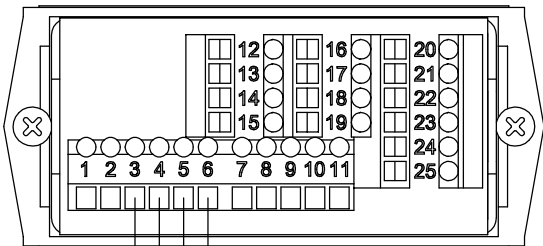CARD CDC10 = RS485 output
CARD CDS20 = 4 Relays output
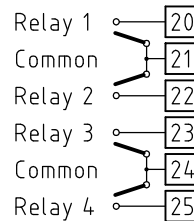CARD CDS10 = 2 Relays output
F= Splashproof Cover IP 65

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)

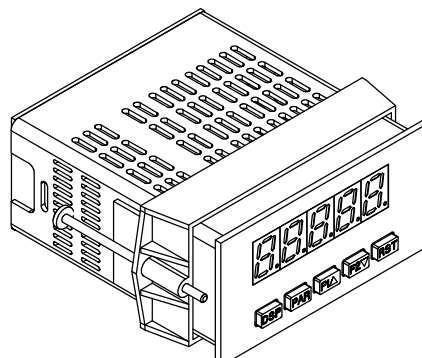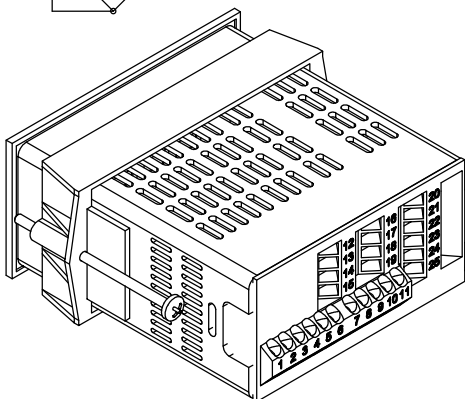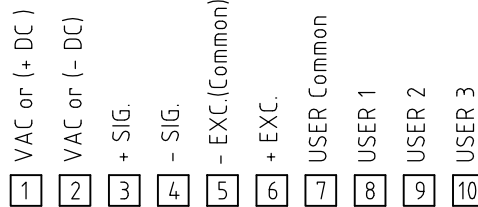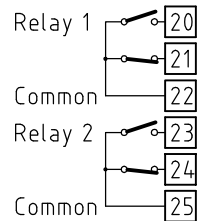**CARD CDL10**

16 + 0–10V
ANALOG
17 – OUTPUT

18 + 4–20 or
0–20 mA
ANALOG
19 – 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

12 13 14 15 16 17 18 19 20 21 22 23 24 25
1 2 3 4 5 6 7 8 9 10 11
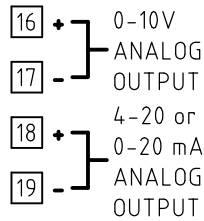
VAC or (+ DC) 1
VAC or (– DC) 2
+ SIG. 3
– SIG. 4
– EXC.(Common) 5
+ EXC. 6
USER Common 7
USER 1 8
USER 2 9
USER 3 10

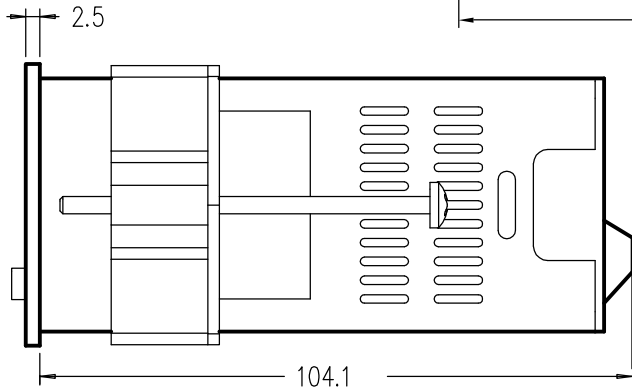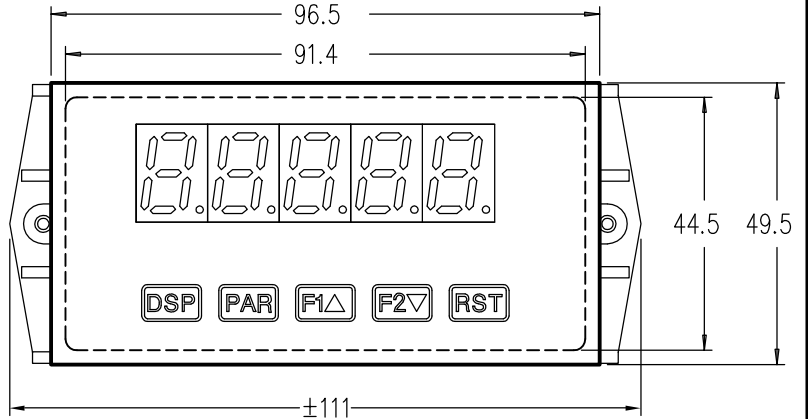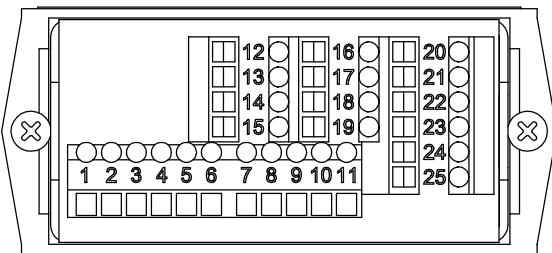# DISPLAY

model DISP PAXP

CE

Power supply : 85 to 250 VAC / 24 VAC / 10-30 VDC IP54
   DISP PAXP   :85 to 250 VAC- Input 4-20 mA - 0/10 V - Ohms
   " " PAXP-24: 24 VAC   - "   ,"
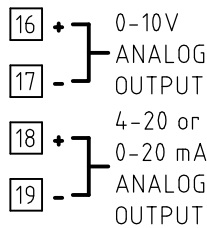   " " PAXP-DC: 10-30 VDC   - "   "

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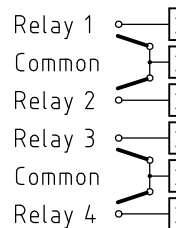
Note:
recommended min.
clearance (behind
the panel) for
mounting is
depth 140 mm and
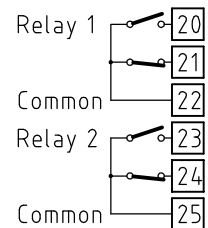heigh 53.4mm.
Panel cut-out
92mm (-0+0.8)
45mm (-0+0.5)

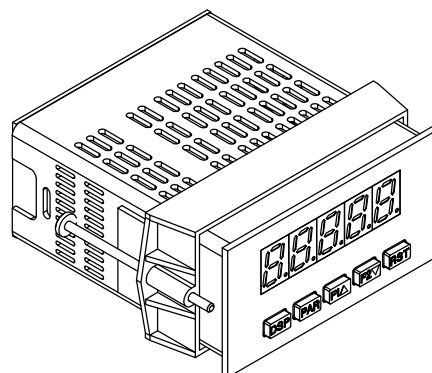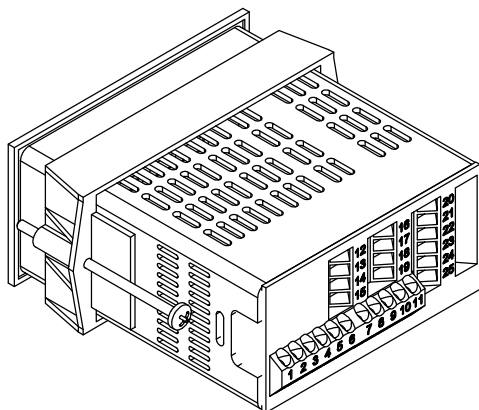| 12 | 16 | 20 |
13	17	21
14	18	22
15	19	23
		24
1 2 3 4 5 6 7 8 9 10 11		25

CARD CDL10

16	+	0-10V
17	-	ANALOG OUTPUT
18	+	4-20 or 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

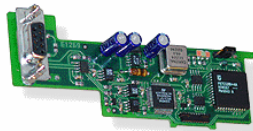| VAC or (+ DC)	VAC or (- DC)	+ 10 V	+ 20 mA.	- EXC.(Common)	+ 24 VDC EXC.	USER Common	USER 1	USER 2	USER 3
1	2	3	4	5	6	7	8	9	10

www.sensy.com

CARD-CDC10
- RS485 field bus communication interface
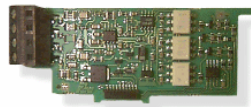- Available with crew terminals or DB9 connector

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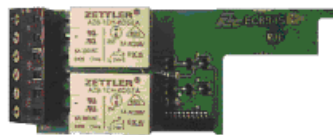- Available with crew terminals or DB9 connector

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