

2IB1SUMD

LOAD LIMITATION ELECTRONICS FOR 2 CH. AND THEIR SUM

CABIN-2IB1SUMD



Features

- Easy and intuitive calibration
- Display of hoisted loads and input signals
- Monitoring system of the integrity of the load cells and the electronics (positive safety)
- Options :
 - o Analogue output 4(0)...20 mA or 0...10 V
 - o RS232, RS485, USB or fieldbus capabilities
 - o NEMA 4X/IP65
 - o Power supply : 48VAC (only for 85...230 VAC version)

Applications

The CABIN-2IB1SUMD and CABIN-2DB1SUMD are housing comprising 2 x INDI-BOY or 2 x DISP-BOYP associated with 1 x DISP-SUMD. They are designed to limit the load of 2 independent winches as well as the sum of these loads.

Functions

- Internal survey system of load cells and electronics (positive safety)
- TEST buttons in order to check the good working of the detection system.
- Secret code prohibiting programming by unauthorized persons.
- Intelligent filter with quick reaction to quick overload while not reacting on transitory non significant overload.
- Maximum and minimum memories

Specifications	2IB1SUMD	2IB1SUMD-24	2DB1SUMD	2DB1SUMD-24	
Type	Load limiter for 2 load cells	Load limiter for 2 load cells	Load limiter for 2 load cells	Load limiter for 2 load cells	-
Input range	± 24 mV/V	± 24 mV/V	4...24 mA	4...24 mA	-
Sensor excitation	10 VDC @125mA max**	10 VDC @125mA max**	24VDC ± 5% @50mA max.	24VDC ± 5% @50mA max.	-
Display	3 x 5 digits (14.2 mm)	3 x 5 digits (14.2 mm)	3 x 5 digits (14.2 mm)	3 x 5 digits (14.2 mm)	-
Accuracy	0.5	0.5	0.5	0.5	% F.S.
Service temperature range	0...+50	0...+50	0...+50	0...+50	C
Storage temperature range	-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), 24VAC (15VA)	-
IP Rating	IP54	IP54	IP54	IP54	-
Qty of relay	3 x 3	3 x 3	3 x 3	3 x 3	-
Relay type	Form A - potential free	Form A - potential free	Form A - potential free	Form A - potential free	-
Breaking capacity relays	3A @250VAC / 30VDC	3A @250VAC / 30VDC	3A @250VAC / 30VDC	3A @250VAC / 30VDC	-

* : Configurable at user's level

** : 5 VDC @65mA max (jumper selectable)

F.S.: full scale - Specifications subject to change without notice

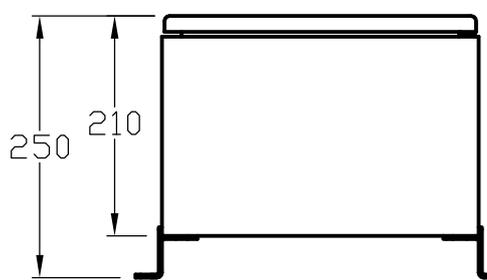
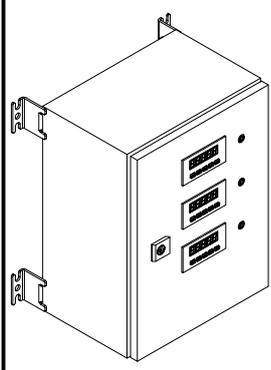
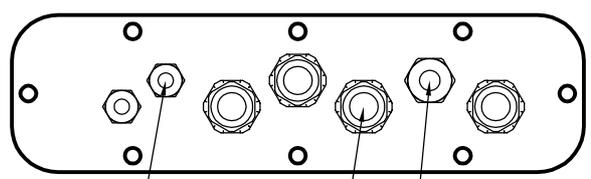
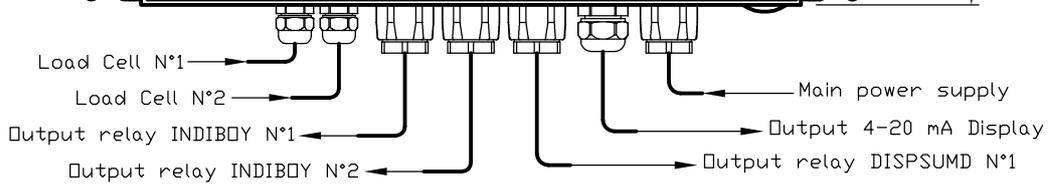
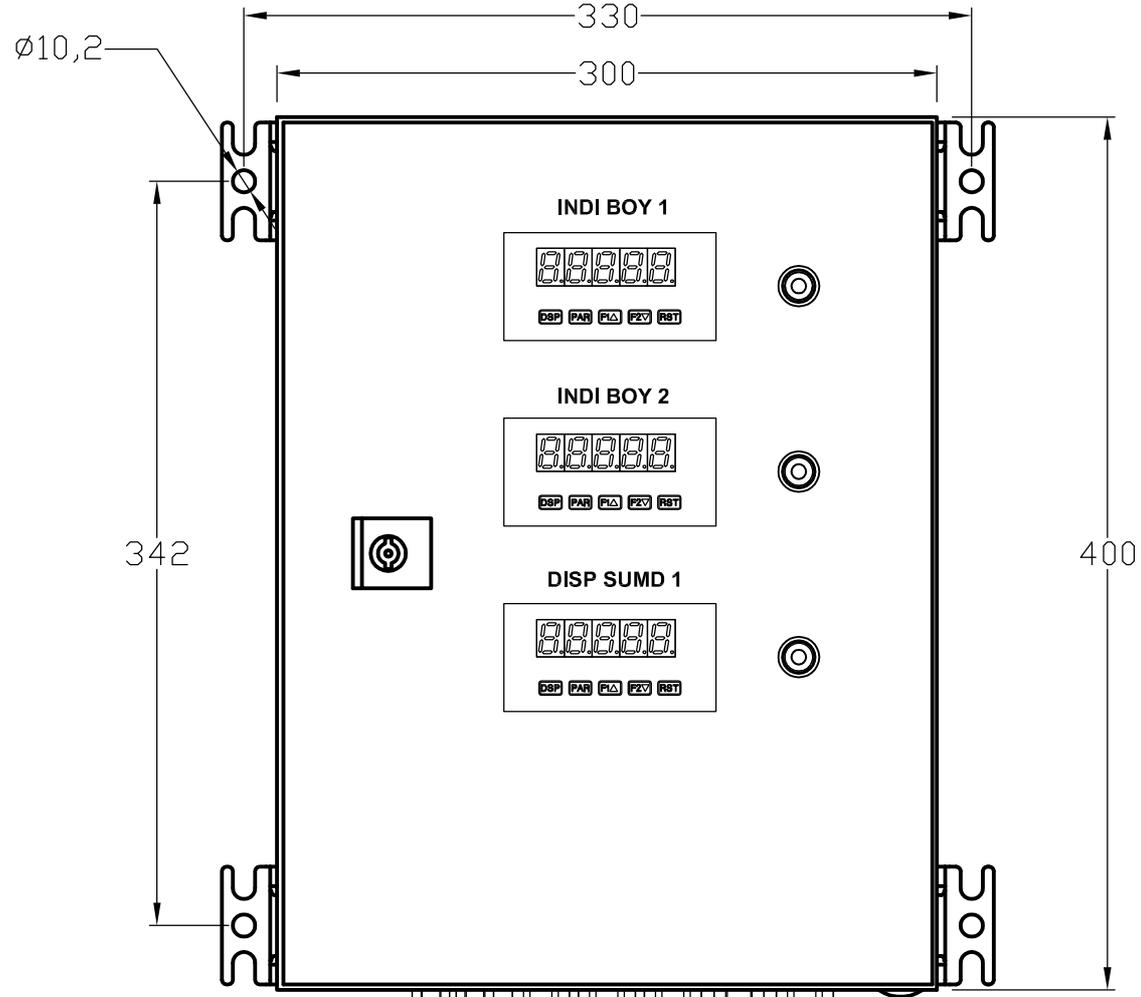


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LOAD LIMITER

model CABIN-2IB1SUMD

Protection IP64
Available power supply
48-110-230 VAC



Rev.06/05/2010



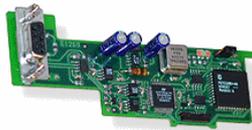
CARD-CDC10

- 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



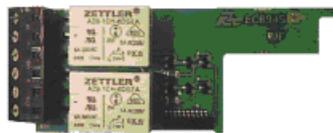
CARD-CDC50

- 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