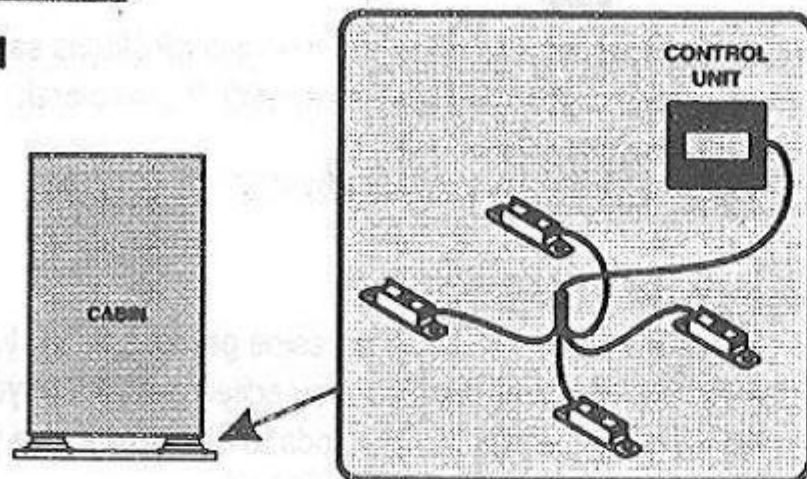


Sky elevator®

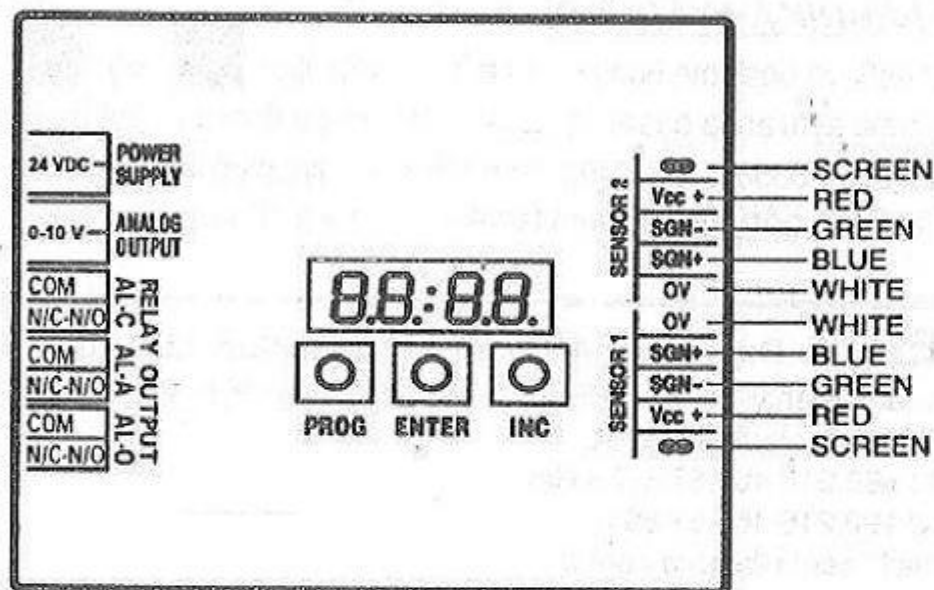
OVERLOAD SYSTEM for ELEVATORS INSTRUCTION MANUAL

1) CONNECTIONS

Mechanical



Electrical



2) TECHNICAL SPECIFICATIONS

Power Supply	: 24/12 VDC
Number of Outputs	: 2
Relay Contact	: 6A - 24VDC
Mechanical Capacity	: 2400 kg (Cabin+Capacity)
Bridge Supply	: 5 VDC
Sensitivity	: 2 mV/V

3) PROGRAMMING ADDRESSES

8888	: Load in the cabin
CERO	: Adjust to set the car empty
CAL	: Calibration of the sensors and control unit
AL-O	: Adjust the weight of Overload-Alarm
AL-C	: Adjust the weight of Completeload-Alarm
AL-A	: Adjust the weight of Minimum load-Alarm
DAC	: Analog output 0.....10V

4) PROGRAMMING KEYS

PROG	: Calling the programming addresses
ENTER	: 1) Entering into the adress 2) Change the programming digit (8888)
INC	: Change the number of digit

5) PROGRAMMING

- All mechanical, electrical and decorative works must be finished before starting.
- Finish the electrical connections of Load-cell unit and read a value on the display.

Step 1 Adjusting to Zero: The cabin must be empty

- PROG** Press come to CERO.
- ENTER** Press enter into the adress.
- INC** Press digit will start to 9999 - 8888.....0000 and finally it will appear 0000.

Step 2 Calibration: The system is precalibrated. Any other adjustment is not necessary, but in case if need any adjustment, put into the cabin a known weight (for example 40% x capacity) and read the value on the display. If the value is not correct.

- PROG** Press Call the adress **CAL** Enter the adress and write the value of the weight onto the display using the **ENTER** and **INC** keys (for example 0200)
 - PROG** Press. Digit will start to count 9999-8888.....0000 and finally it will appear the weight in the cabin. Calibration is finished.
- Important:** During the calibration the weight in the cabin must be constant.

Step 3 Load Settings: 2 different loads can be programmed.

- PROG** Press come to the adress AL-O or AL-C
- ENTER** Press Enter into the adress and write onto digit the weight you want to get a signal from control unit for example (1100-0630-0030 etc.)
- PROG** Press

Full-and overload points have n/c, com and n/o outputs.

The output signals are shown flashingly as **Over** **Full**

DAC ADJUSTMENT

Clicking the PROG key the -DAC- address is reached. With the ENTER key you will enter in the address. By clicking the Enter and INC keys the desired maximum load status can be entered and when the written maximum load is reached 10V output will be given. At written interim load values interim voltage will be taken in accordance to the maximum load.

6) FACTORY SETTINGS

- Disconnect the sensor and the power supply from the control unit.
- Press **ENTER** and **INC** and connect the power at the same time Digit will start to show 9999 - 8888.....0000 and finally it will appear **Enter** System has the factory settings now.

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