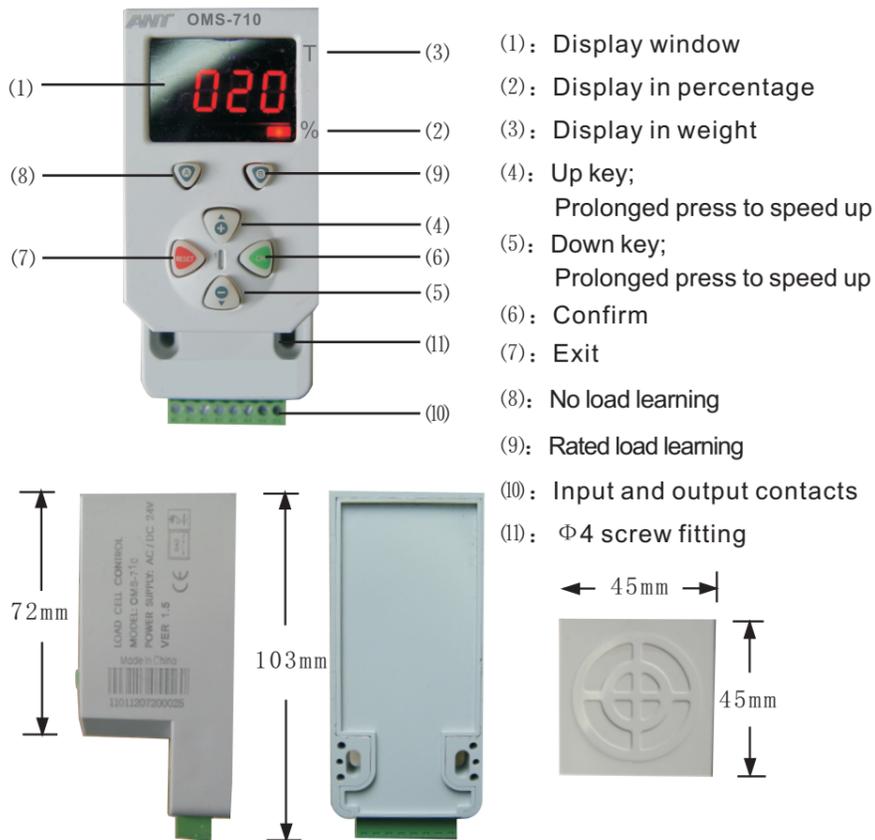


OMS-710 Elevator overload measurement system

User's Manual

1. Appearance and installation dimensions of the main controller



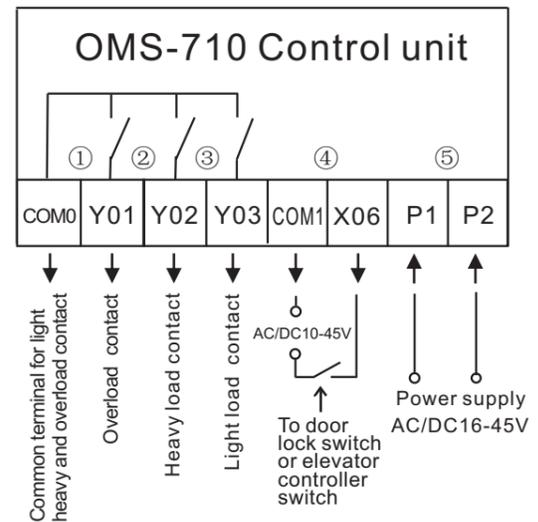
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Version : V1.8

3. The menu structure and parameter setting

Parameter	Meanings	Parameter range	Default value
P01.	Overload range Setting;	00~20 – Indicates 0~20%, overload relay acts when measuring load exceeds (1+P01%) rated load;	10
P02.	Bouncing sensitivity setting;	00~10 – The sensitivity decreases with the value of P02 increasing;	05
P03.	Output lock signal setting;	00 – Signal lock is effective when power on; 01 – Signal lock is effective when power off;	00
P04.	Delay time setting for overload relay release;	00~05 – Indicates 0~5 seconds;	02
P05.	Mode setting for rated load learning;	00 – Learning with full weight load; 03 – Learning with no weight load; 04 – Learning with any known weight load;	00
P06.	Spare		00
P07.	Light load range setting;	05~75 – Indicate 5~75%, light load relay acts when measuring load is in range of 0% to P07% rated load;	05
P08.	Heavy load range setting;	90~99 – Indicate 90~99%, heavy load relay acts when load is in range of P08% to (1+P01%) rated load;	90
P09.	Light load contact setting;	00 – Contact closes when in light load range; 01 – Contact releases when in light load range;	00

2. Interfaces of the main controller



NOTES:

- ①: Acts when measured weight \geq rated load $\times (1+P01\%)$;
- ②: Acts when rated load $\times P08\% \leq$ measured weight \leq rated load $\times (1+P01\%)$;
- ③: Acts when $0\% \leq$ measured weight \leq rated load $\times P07\%$;
- ④: If X06 lock signal is effective, the relay output keeps the same even if the load changes; X06 signal is enabled or not based on the setting of parameter P3; Input voltage :AC/DC10V~45V ;(No connection if no special requirements.)
- ⑤: Please make sure the working voltage is AC/DC16V~45V before normal operation;

Parameter	Meanings	Parameter range	Default value
P10.	Heavy load contact setting;	00– Contact closes, releases on overload ; 01– Contact releases, closes on overload ; 10– Contact closes, no change on overload ; 11– Contact releases, no change on overload ;	10
P11.	Spare		01
P12.	Sensor's correction code or any known weight;	0000~9500 – Input correction code during rate load learning with no load or input weight during rated load learning with known weight in KG ;	0000
P13.	Rated load value setting;	0000~9500 – Input rated load in KG; In rated load learning with full weight, 0000 can be used to treat the full weight as rated load;	0000
P14.	Spare		01
P15.	Spare		00
P16.	Spare		50
P17.	Spare		10
P18.	Overload contact setting;	00 – Contact releases when in overload range; 01– Contact close when in overload range;	00
P19.	Version		

