

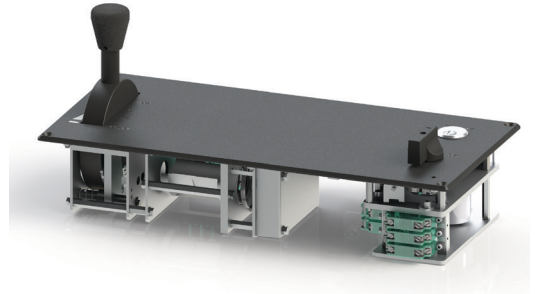
# Master Controller MC 01



Gessmann's master controller system MC 01 is specially designed for usage in railway applications. Their robust design which is based on the relevant standards EN-60077, UIC 612 and EN-50155 guarantees low life cycle costs and a maintainability over a period of 35 years.

## Technical data

Ambient temperature outside vehicle	-40°C to +50°C->EN 50155 Class T1, T2, T3, TX
Nominal supply voltage	24/ 72/ 110VDC with variations according to EN 50155
Shock and vibration	According to EN 61373
Electromagnetic compatibility (EMC)	According to EN 50121-3-2
Isolation and high voltage test	According to EN 50155
Pollution degree	PD 3 according to EN 60077-1 (others on demand)
Fire and smoke	Compliant to EN 45545, (HL3) (others on demand)
Mechanical endurance	10 million operating cycles
Electrical endurance	Minimun operating cycle class C3/A3 according to EN 60077-2



	MC 01	U1	C1	RSH-01	D1	D	S1	N1	D1	K1	N1	D1
<b>Basic Unit</b>	[Shaded]											
MC 01 Master Controller	[Shaded]											
<b>Power supply</b>	[Shaded]											
U1 24VDC	[Shaded]											
U2 72VDC	[Shaded]											
U3 110VDC	[Shaded]											
<b>Output signal analog</b>	[Shaded]											
C1 Current output 4-20mA p.	[Shaded]											
C2 Voltage output p.	[Shaded]											
*Customer specific	[Shaded]											
<b>Handle</b>	[Shaded]											
RSH-01 Ball handle p.	[Shaded]											
RSH-02 Conical handle p.	[Shaded]											
RSH-03 Conical handle p.	[Shaded]											
RSH-04 Conical handle p.	[Shaded]											
<b>Output signal digital</b>	[Shaded]											
D1 1 contact SAS-01 (snap action switch) p.	[Shaded]											
D2 2 contacts SAS-02 (snap action switch) p.	[Shaded]											
...	[Shaded]											
D9 9 contacts SAS-09 (snap action switch) p.	[Shaded]											
<b>Deadman</b>	[Shaded]											
D1 Push down 1 contact SAS-01 (snap action switch) p.	[Shaded]											
D2 Push down 2 contacts SAS-01 (snap action switch) p.	[Shaded]											



MC 01   U1   C1   RSH-01   D1   D   S1   N1   D1   K1   N1   D1

### Selector switch

- S1 With selector switch
- S2 Without selector switch

### Notched position of selector switch

- N1 1 position
- N2 2 positions
- N3 3 positions
- N4 4 positions
- N5 5 positions

### Output signal digital

- D1 1 contact SAS-01 (snap action switch) *p.*
- D2 2 contacts SAS-02 (snap action switch) *p.*
- ...
- D9 9 contacts SAS-09 (snap action switch) *p.*

### Key switch

- K1 With key switch
- K2 Without key switch

### Notched positions

- N1 2 positions
- N2 3 positions

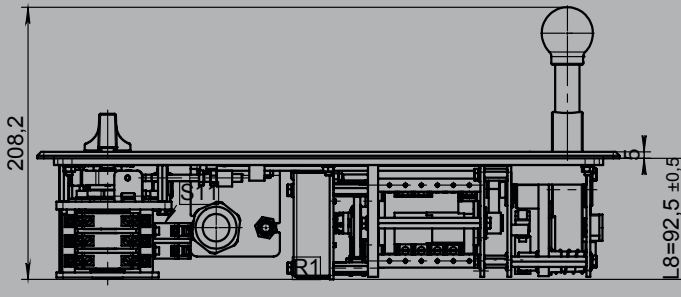
### Output signal

- D1 1 contact
- D2 2 contacts

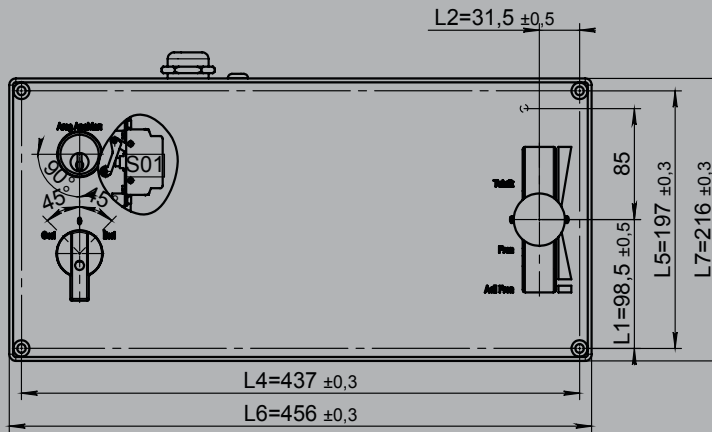
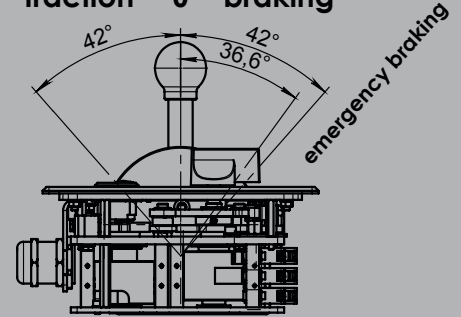
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dead man actuation  
by depressing the  
handle



traction 0 braking



## cut-out in driver's desk

