KOLLMORGEN
A REGAL REXNORD BRAND

MCD8 and MCD8 HS

Complete control at hand

MCD8 and MCD8 HS are hand-helded manual control devices for automated guided vehicles (AGVs). The controls are easy to use and provide good ergonomics, handling/controlling steering, driving, and load handling. Useful when commissioning the system and for exception handling.

The MCD8 version is used for applications with moderate movement speeds and fulfills the requirements of AGV safety standard EN-1525.

The MCD8 HS version is recommended for the new AGV safety standard ISO 3691-4 applications, and where manual control operations are more hazardous than normal (i.e. large trucks and trucks with hazardous load handling movements). It is also recommended where local authorities (or customers) demand a 3-position dead mans switch on the manual control device.



Features

- Rugged design makes the MCD8 suitable for use in industrial environments.
- The steering, driving and load handling functions of the MCD8 are user-programmable.
- All control devices, including steering potentiometer and mode selection / load handling switches, are of high mechanical quality and long life.
- Control devices are well protected from mechanical damage.
- LED indicators for ESTOP, ON TRACK, and communication status.
- Additional features in MCD8 HS:
  - 3-position dead man's switch hardwired to connector.
  - Stop override hardwired to connector.



Rugged



Complete control at hand



Wide voltage range

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Order information	
MCD8	18442-49
MCD8 HS	18442-51
MCD7/MCD8 Chassis Connector (Observe different connectors between MCD8 and MCD8 HS)	CNSAXR 5-31 (Manufactured by Amphenol, Australia Type: AC5FPZ-ADH), 5 poles
MCD8 HS Chassis Connector (Observe different connectors between MCD8 and MCD8 HS)	18442-40 (Manufactured by Hummel Type: 7.410.000.000 & 7.001.916.104), 16 poles

Technical data	
Supply voltage, nominal	24 to 48 V DC
Supply voltage, min/max	16.8 to 72 V DC
Power consumption	Max 0,2 W
Communication	EIA RS485 multidrop communication
Address select	Internal (Address 1 or 8)
Control devices, steering	1 steering potentiometer
Control devices, driving	1 switch AUT-SEA-MAN (on-on-on) 1 switch FW-BW (on-on)
Control devices, load handling and stop override	2 switches LOAD (on)-off-(on) 1 push-button STOP OVERRIDE off-(on)
Indicators	LED:s for ESTOP, COM, ON TRACK.
Safety devices, MCD8 HS only	1 3-position device dead man switch integrated into the handle. Stop override hardwired to connector

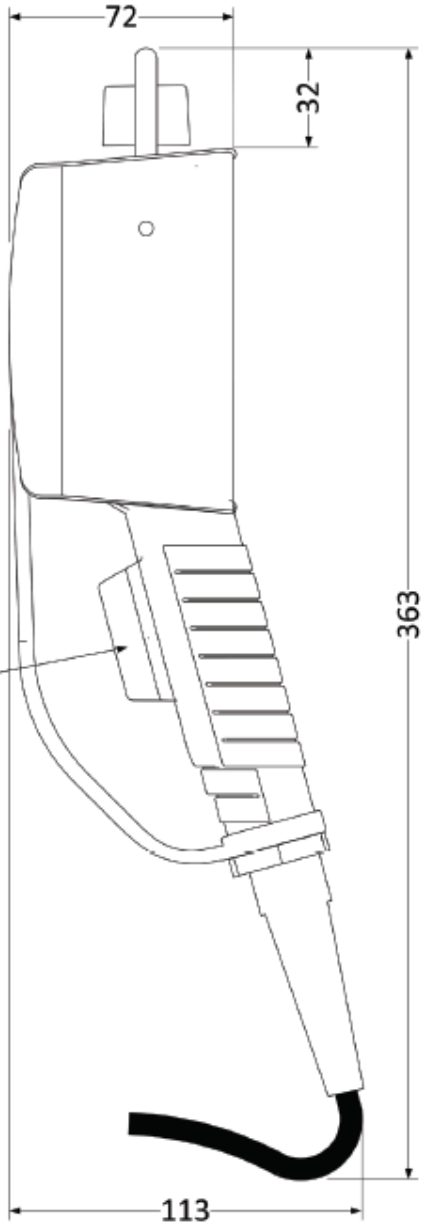
Standards	
Safety Devices	ISO 13850 ISO 10218 3-position dead mans switch: Up to ISO 13849-1 PL e Hardwired stop override: Up to ISO 13849-1 PL c (depending on how they are wired into the truck.)

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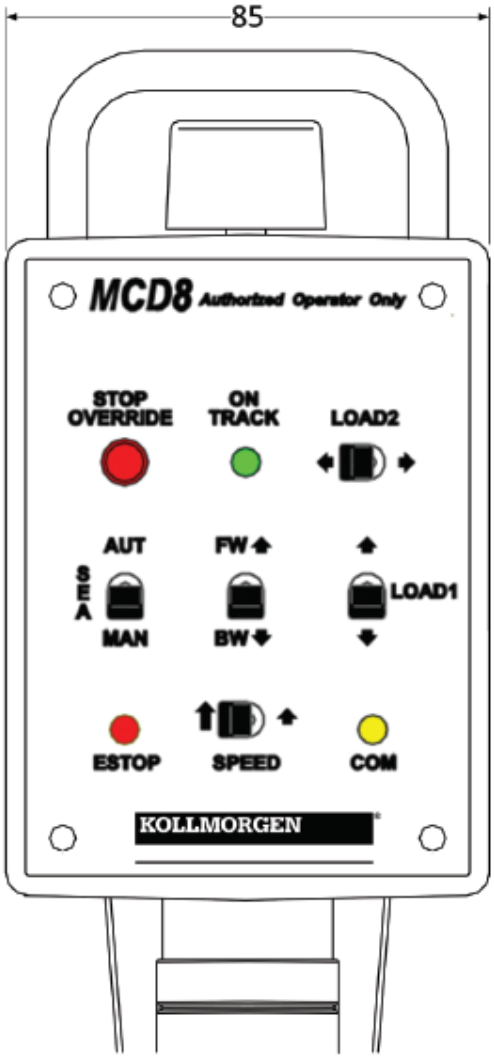
Ambient condition	
Temperature, operation	-0 to +50˚C
Relative humidity, operation	10 to 90%, non-condensing
Protection class	IP40

Dimensions	
Width	85 mm
Height	363 mm
Depth	72 mm
Weight	0.9 kg

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Note!
3-position dead man switch only on MCD8 HS model.



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