

Data Sheet

Remote Control MPCAN Receiver

The MPCAN receiver is highly customizable with many features and accessories, including a tether connection to the transmitter as an alternative to Wireless Radio Communication. The MPCAN is adapted to vehicles with CAN bus communications.

Features

- Available for 400-900 MHz and 2.4 GHz Frequency Bands
- External LEDs for troubleshooting
- Removable EEPROM SIM module
- 4 digital outputs/inputs

Benefits

- Highly field customizable
- Frequency management against interferences
- Easy and fast maintenance
- Full Duplex communication capability
- CANopen & J1939 in 2.4GHz model

Applications

- Construction and mining vehicles and cranes
- Industrial vehicles
- Agriculture and forestry

Comprehensive technical literature is online at www.danfoss.com



Technical data

Specification	Value
Stop function (400 - 900 MHz)	Cat. 3-PLd
Stop Function (2.4 GHz)	Cat. 4-PLe
Ingress protection	IP65/NEMA4
Frequency band - ERP	433.050 to 434.040 MHz; ERP<1 mW
	434.040 to 434.790 MHz; ERP<10mW
	869.700 to 870.000 MHz; ERP<5 mW
	902.000 to 928.000 MHz; ERP<1mW
	2405MHz to 2475MHz 20dBm/100mW
Range Line of sight (guaranteed)	100m
AC power supply	N/A
DC power supply	8 - 35 Vdc
Receiver Current Consumption	200mA
Antenna	External/Internal
Removable EEPROM	Internal
Signaling	External
STOP Outputs (400 - 900MHz)	2
STOP Outputs (2.4GHz)	2
Start Output	N/A
Safety Relay Output	N/A
ON/OFF outputs	4 (2A per output)
Proportional outputs	N/A
CAN Bus Protocols (400-900MHz)	CANopen
CAN Bus Protocols (2.4GHz)	CANopen, J1939
ON/OFF inputs	4
Proportional inputs	N/A
Reponse time	100ms
Maximum Total output current	7.5A
Operating temperature range	-20° C to +70° C (-4° F to +158° F)
Storage Temperature Range (24h)	-25°C to 75°C (-13°F to 167°F)
Storage Temperature Range (long periods)	-25°C to 55°C (-13°F to 131°F)
Relative Humidity	max. 95% without condensation
Weight	300 grams
Dimensions	117 x 133 x 36
Tether connection	Yes (M12 Connector)
Associated transmitters (400 - 900MHz)	Ikargo1, Ikargo2, T70 1, T70 2, T70 1 HALL, T70 2 HALL, T70 1 ATEX, T70 2 ATEX, IK2, IK3, IK4
Associated transmitters (2.4 GHz)	Ikompact, Ikore, IkoreB, IK2, IK3, IK4