

MINI

RADIO RECEIVER

Our MINI radio receiver is Kar-Tech's wireless control of choice for low-cost, low I/O count applications. The wireless receiver is built to stand and take whatever you can throw at it. It's housed in a small, epoxy-potted enclosure, effectively turning it into a hockey puck, and making it virtually immune to moisture, salt-spray, vibration, etc. Flexibility and field-programmability are built in so we can work with a wide variety of machinery. The MINI radio remote will run on a supply voltage of 9 to 30VDC, suitable for 12V and 24V systems, and can supply 5 amps maximum per output (all solid-state), and 20 amps system maximum.



PHYSICAL

Weight	0.7 lb.	Ingress Protection	IP66
Operating Temperature	-40° to +85° C	Housing Material	Encapsulated UL94 ABS
Storage Temperature	-55° to +85° C	Certification	FCC, IC, C-Tick, others on request

I/O:

Protocols	Serial: RS-232, CANbus (2x); SAE-J1939, RF: 900MHz FHSS or 2.4GHZ DSSS		
Supply Voltage	12V/24V nominal (9V – 30VDC)		
Analog Inputs	4 Maximum, 0-32VDC (other ranges available), 12-bit resolution with on-board 5V Reference supply available for sensors. Inputs are protected from overvoltage & transient spikes.		
Digital Inputs	4 Maximum		
Frequency Inputs	None	12/24V nominal input range with protection for overvoltage/transient spike	
Quadrature Inputs	None		
PWM Outputs	1 Maximum, 5A max, sourcing		
Digital Outputs	10 Maximum		
Variable Voltage Outputs	None		

***These are maximums only. Using all the inputs or outputs of one type may limit other I/O. Please contact us for no-charge application support.**

WIRELESS:

Frequency	900MHz FHSS
Operating Range	300ft (nominal)

