

# PACKER

## RADIO TRANSMITTERS



**KAR-TECH**

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### Features

The PACKER series radio transmitter is a rugged, ergonomic, fully sealed bellypack enclosure that will wirelessly control any of your equipment. The PACKER is widely used in applications like large cranes or mobile drills that require a multitude of proportional control inputs such as joysticks or paddles. With full-two way communication, the operator is aware of any information from the machine, and optionally displays it in real-time on an LCD display. The internal rechargeable battery provides up to 50 hours of usage, and features a one hour recharge time using our fast-charger. With the CAN cable connector on the side, the battery also charges while being used in a wired operation mode as well. The enclosure is shock-resistant: it's molded out of the same material that's used in automotive bumpers, and is tough at any temperature. The electronics vary based on the application, and provide either 300' or 1000' of range for in-plant or mobile operation, and leverage FHSS communication and ID coding to virtually eliminate cross-talk and interference.

General	
Weight	3.1 lb.
Operating Temperature	-40° to +85° C -20° to +70° C with LCD display
Storage Temperature	-40° to +100° C -30° to +80° C with LCD display
Ingress Protection	IP65 nominal - varies with custom configurations
Housing Material	High impact thermoplastic
Control Options	Up to 2 dual axis joystick, 6 single axis paddles, E-Stop switches, toggle switches, pushbuttons, and side mounted keyswitches or pushbuttons available as well.
Certification	FCC, IC, C-Tick, others on request
Power	
Battery Type	Internal rechargeable smart NiMH battery
Operating Time	25- 50 hours, depending on configuration
RF2CAN Receiver	
Frequency	900 MHz FHSS or 2.4GHz DSSS
Output	CAN - SAE-J1939 & CANOpen
Range	300m nominal
Power	9 - 30VDC
Physical	3.5" x 2" x 4.1", 0.8 lb., UL94 - HB High impact plastic

Mini Receiver	
I/O	Up to 9 solid state outputs, 5A max
Frequency	900 MHz FHSS, 10mW output power, -100dBm receiver sensitivity
Range	100m nominal, greater line of sight
Power	12/24 VDC nominal, +9 to +35 VDC min/max
Physical	2.5" x 2.5" x .9", 1.8 lb., Encapsulated UL94 ABS plastic
VC-93/99 Receiver	
I/O	Up to 36 inputs (analog/digital) and 36 outputs (analog/digital), 5A max, with 100VDC protection
Frequency	900 MHz FHSS, 33mW output power -114dBm receiver sensitivity 2.4 GHz DSSS, 100mW -92dBm receiver sensitivity
Range	300m nominal, greater line of sight
Power	12/24 VDC nominal, +9 to +35 min/max
Physical	VC-93 - 5.2" x 4.6" x 1.4", 0.8 lb., High temperature nylon VC-99 - 5.55" x 5.75" x 2.02", 1.0 lb., Glass-filled polymer
Industrial Receiver	
I/O	Up to 9 relay outputs, rated at 16A per
Frequency	900 MHz FHSS, 10mW output power, -100dBm receiver sensitivity
Range	100m nominal, greater line of sight
Power	110 - 265 VAC
Physical	8.6" x 4.7" x 3.5", 1.65 lb., polycarbonate enclosure

