

DESCRIPTION:

KAR-TECH's VERSA REMOTE is a micro controller-based radio remote control system designed to provide the machine operator with the ability to remotely operate equipment. The machine operator is still required to follow OSHA and other applicable standards when operating the equipment.

The remote control system consists of two major modules; the transmitter and receiver. The transmitter power is activated by pressing and holding the power button until the TRANSMIT and BATTERY indicators stop flashing and glow continuously (about 3 seconds).

The transmitter functions can then be activated by pressing the corresponding button. The receiver is operated by turning on the receiver power and pressing any of the touchpad keys on the transmitter (except power).

Each receiver is programmed to work with a transmitter with the same pre-programmed ID code. If you are changing the transmitter that was working with its respective receiver, an ID code programming module must be used to reprogram the receiver to work with the new transmitter. This allows the receiver to recognize the new transmitter (see reprogramming section for additional information).

The above feature allows to equipment work in close vicinity of each other without interfering with each other. If the receiver receives data from a transmitter with a different ID code, the error code light will flash the appropriate error code and none of the functions will respond to the transmitter with the wrong ID code.

The transmitter has two LED indicators, the **BATTERY** and **TRANSMIT** indicators. The red BATTERY indicator turns on momentarily when touchpad key is pressed and turns off if the battery is good. This indicator will remain on when the battery voltage is low. There is enough power in the battery for about 15 minutes of operation after the light remains on. When this time is up, the red battery will turn off and the transmitter will no longer function properly until the battery has been changed. The transmitter is powered by a 9 volt alkaline battery. The operation time of the battery is determined by both frequency and duration of use. Power is being used any time the power button is pressed or the transmitter power is on. To turn transmitter power off, press and hold the power button until the TRANSMIT and BATTERY indicators stop flashing (about 3 seconds). To save battery life, the transmitter is designed with an auto shut down feature. This feature turns transmitter off when none of the touch pad buttons are used for period of five minutes.

To change the transmitter battery, remove the battery cover on the back of the transmitter. Dispose of the old battery properly and replace with a 9 volt alkaline battery.

ON/OFF OUTPUTS:

There are 6 Sourcing On/Off outputs Each on/off is designed with a built in short circuit, overload protection. The output status is reported to the machine operator via the error code light. This light will flash a number of times corresponding to the current registered error code.

ERROR CODE LED DISPLAY :

The receiver is designed with 2 LEDs displaying status. They are visible from the outside of the receiver. The green data reception LED will light when there is good data received from a transmitter. The red LED blinks when there is a problem with the system.