

RECEIVER ERROR CODE CHART

ERROR CODE	PROBABLE CAUSE
1	RF COMMUNICATION PROBLEM
2	FAULTY CIRCUIT TO OUTPUT 1
3	FAULTY CIRCUIT TO OUTPUT 2
4	FAULTY CIRCUIT TO OUTPUT 3
5	FAULTY CIRCUIT TO OUTPUT 4
6	FAULTY CIRCUIT TO OUTPUT 5
7	FAULTY CIRCUIT TO OUTPUT 6
8	FAULTY CIRCUIT TO OUTPUT 7
9	FAULTY CIRCUIT TO OUTPUT 8

ERROR CODE NUMBER IS THE NUMBER OF RED LIGHT BLINKS BETWEEN EVERY PAUSE.

TRANSMITTER ERROR CODE CHART

ERROR CODE	PROBABLE CAUSE
1	LOW BATTERY
2	FAULTY CIRCUIT TO OUTPUT 1
3	FAULTY CIRCUIT TO OUTPUT 2
4	FAULTY CIRCUIT TO OUTPUT 3
5	FAULTY CIRCUIT TO OUTPUT 4
6	FAULTY CIRCUIT TO OUTPUT 5
7	FAULTY CIRCUIT TO OUTPUT 6
8	FAULTY CIRCUIT TO OUTPUT 7
9	FAULTY CIRCUIT TO OUTPUT 8

ERROR CODE NUMBER IS THE NUMBER OF RED LIGHT BLINKS BETWEEN EVERY PAUSE.

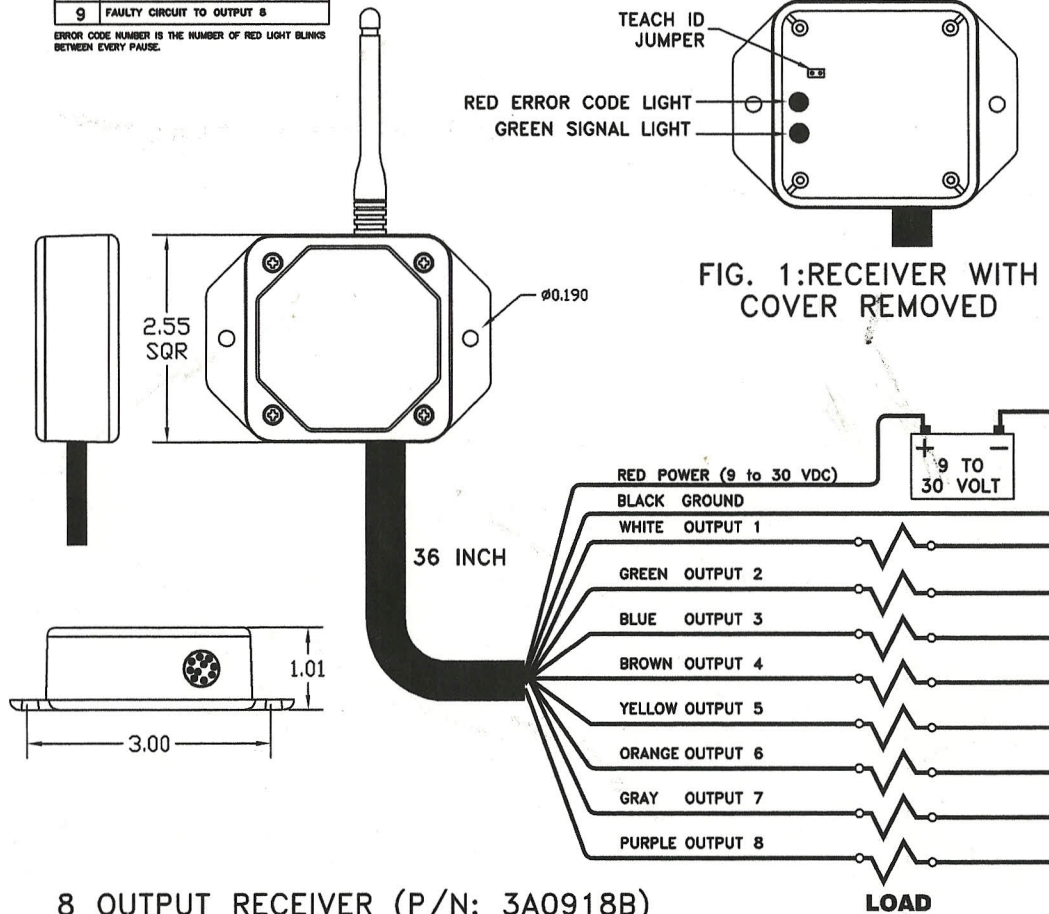
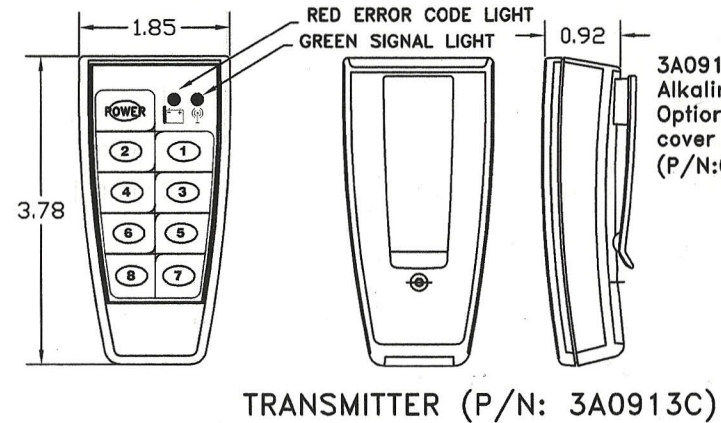


FIG. 1: RECEIVER WITH COVER REMOVED



3A0913A Uses 2 AAA Alkaline batteries. Optional remote cover with lanyard (P/N:062-010-0145)

SYSTEM OPERATION:

Press and hold the power button on the transmitter until both LEDs turn on, then release. The green LED will flash rapidly when communication has been established. When the receiver is off, the red LED will flash slowly indicating this. With the receiver on, press the corresponding buttons on the transmitter keypad to turn on and off each of the outputs.

PROGRAMMABILITY:

The user can determine output functionality and program the system to respond as desired. This is determined by a sequence of commands entered using the transmitter toggle switches.

Level 1 allows the user to define which outputs will be momentary, latched, and/or disabled.

Level 2 allows the user to specify one of three overall functional modes of operation:

1. Configured for STANDARD 8-output or 4-output (depending on model) operation
2. Configured to use output 8 or output 4 (depending on model) as a DUMP/PUMP function
3. Configured to use output 8 or output 4 (depending on model) as an E-STOP or "heartbeat" function

INDICATOR LIGHTS:

The transmitter has two LED indicators, the red BATTERY/DIAGNOSTIC indicator and the green TRANSMIT indicator.

The green TRANSMIT indicator flashes rapidly whenever there is communication between the transmitter and the receiver.

The red BATTERY/DIAGNOSTIC indicator starts blinking once every second when the battery voltage is low and requires replacement. It also blinks when there is a problem with the system in the form of an error code. Refer to the ERROR CODE CHART tables for more information.

Note: To check for low battery, turn the receiver off and leave the transmitter on. If the transmitter red LED continues to blink, the battery is low and requires replacement. If the red LED blinks only when the receiver is on, count the number of blinks and refer to ERROR CODE CHART tables for additional information.

TEACH ID CODE:

To synchronize a new transmitter and receiver together, refer to Fig. 1 and use the following procedure:

1. Remove receiver cover
2. Apply power to the receiver
3. Place a jumper across the TEACH ID jumper inside the receiver. Both green and red LEDs will toggle inside the receiver. Remove the jumper and store it on one pin
4. To get the transmitter into TEACH ID mode, press and hold the POWER button, function 1 and function 8
5. Release the POWER button and wait for 1 second or until the green and red LEDs stop toggling in the receiver. Release the other buttons
6. Teach complete
7. Replace the cover on the receiver

OUTPUT CONFIGURATION PROGRAMMING:

Refer to Operation & Installation manual for instructions on programming receiver functionality

SPECIFICATIONS:

RF Transmit power (EIRP): 10 mW
RF Frequency: 902-928 MHz
Operating temperature - Radio: -40C to +85C
Battery life (min): 30 hours continuous.
Vibration: 3G to 200Hz
Outputs: 5A max each (20A system max)

KAR-TECH Delafield, WI 53018				IMPLIED TOLERANCE	
TITLE PROG MINI SERIES 2				XX	± .1
				XXX	± .05
				XXXX	± .015
CAD DRAWING DO NOT REVISE MANUALLY				FRACTIONAL	1/8
SCALE FULL				ANGULAR	± 65 deg
DATE	DESIGNED	APPROVED	DRAWING NO.	3A-091-1-D-3 (B)	