

KIT, SALES KIT, WIRELESS ANTI TWO BLOCK

INCLUDING:

1 EA

1 EA

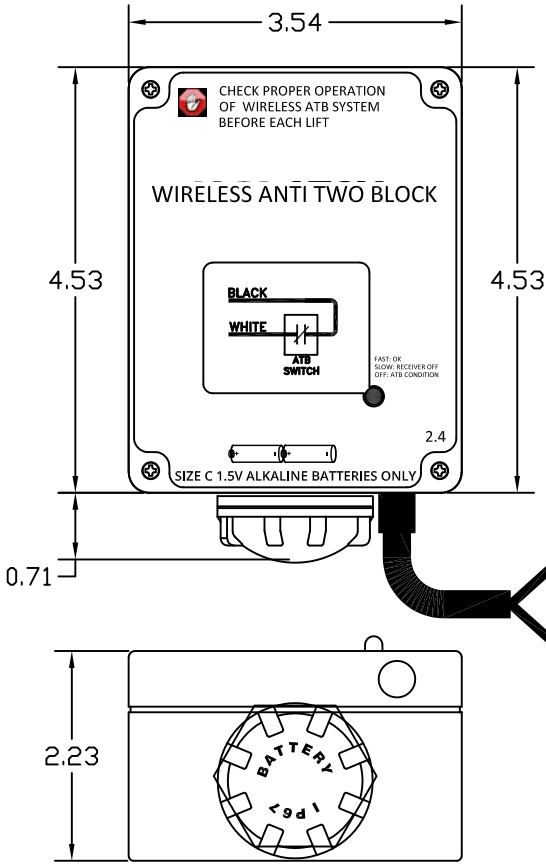
TRANSMITTER
RECEIVER

TEACH ID
JUMPER

ERROR CODE CHART

	PROBABLE CAUSE
1	LOW SWITCH BATTERY
2	ATB CONDITION
3	FAULTY CIRCUIT TO ATB OUTPUT

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



BLACK

WHITE

COM

N.C.

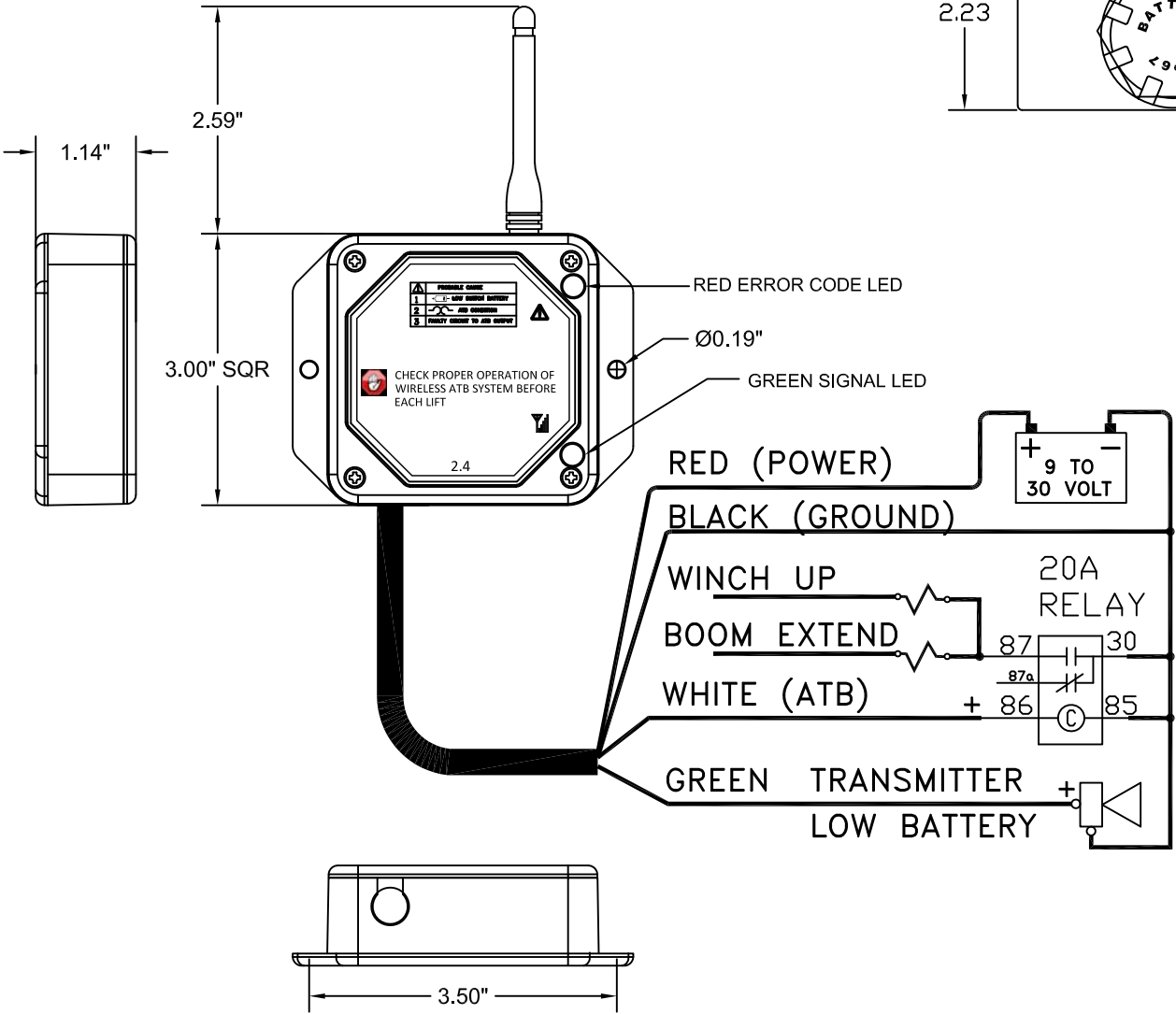
ATB
SWITCH

SEALED BATTERY
COMPARTMENT
FOR 2 C SIZE
ALKALINE BATTERY

REAR VIEW
MOUNTING HOLES

Ø0.172
FOR 8-32
SCREWS

TRANSMITTER, WIRELESS ATB SWITCH, 2.4 GHz



RECEIVER, WIRELESS ATB, 2.4 GHz

INSTALLATION

- Mount the transmitter on top of the boom. Do not cover or shield the transmitter with any metal which may reduce RF range.
 - Remove cover
 - Remove battery connector
 - Install base on crane using 8-32 screws
 - Reconnect battery connection
 - Replace cover
 - Connect the ATB transmitter Black and white wire to ATB switch N.O. and COM. (FIG. 1) per above
- Mount the receiver at the base of the boom. Make sure antenna is facing up or down and outside of the boom metal surface for best reception. Connect the wiring as shown
 - The ATB output can be connected directly to the ATB input on any Kar-Tech systems, or through a relay for a non-Kar-Tech system - see diagram
 - The LOW TRANSMITTER BATTERY output should be connected to an alarm or light

OPERATION

- Under normal conditions, the receiver ATB (white wire) output is *ON (short to power)*. When the ATB condition is present, ATB switch opens, the ATB output will turn *OFF*
- LED indicators (lights)
 - TRANSMITTER:
 - Green blinking fast - normal condition
 - Green blinking slow - receiver is off
 - Green off - ATB condition present
 - RECEIVER:
 - Green blinking fast - normal condition
 - Green off - ATB or fault condition - see red LED
 - Red blinking - ATB or fault condition - count blinks and check receiver decal
 - 1 blink - transmitter battery is below 2.3V and must be replaced
 - 2 blinks - ATB condition
 - 3 blinks - ATB output shorted or open

SYNCHRONIZING TRANSMITTER AND RECEIVER

Each transmitter and receiver pair is synchronized together at the factory. If a new transmitter is needed, synchronizing is required, use the following procedure:

- Install battery
- Remove transmitter cover
- Close the ATB switch (i.e. twist the WHITE and BLACK wires together).
- In the transmitter, place the Black jumper across the TEACH ID pins wait for 5 seconds. At this point the green LED will turn on steady. Remove the black jumper and place it on one pin.
- Apply power to the receiver and Wait until the green and red LEDs stop toggling on the receiver.
- Open the ATB switch (i.e. untwist the WHITE and BLACK wires)
- Teach complete

SPECIFICATIONS

RF: 2.4 GHz , 100 mW
Temperature: Operation: -40 to +85°C Storage: -55 to 100°C
Output Rating: 5A maximum each (sourcing) 20A system maximum
Battery Life:
600 hours of crane operation
2,500 hours with switch close and receiver off
3 years with switch open.

Encapsulated electronics inside ATB transmitter and receiver

TITLE						IMPLIED TOLERANCE	
WIRELESS ATB W/EXTERNAL SWITCH KIT						XX	+ .1
						XXX	+ .06
						XXXX	+ .015
						FRACTIONAL	+ 1/8
CAD DRAWING DO NOT REVISE MANUALLY						ANGULAR	+ 0.5 deg
SCALE	DRAWN	DATE	CHECKED	APPROVED	DRAWING NO.		
FULL	H.K.	05-09-17			3A-452-1-A-3	B	