GENERAL TOLERANCES UNLESS SPECIFIED				
X +/-0.50	X.X +/-0.25	X.XX +/-0.1	X +/-1°	X.X +/-0.5°

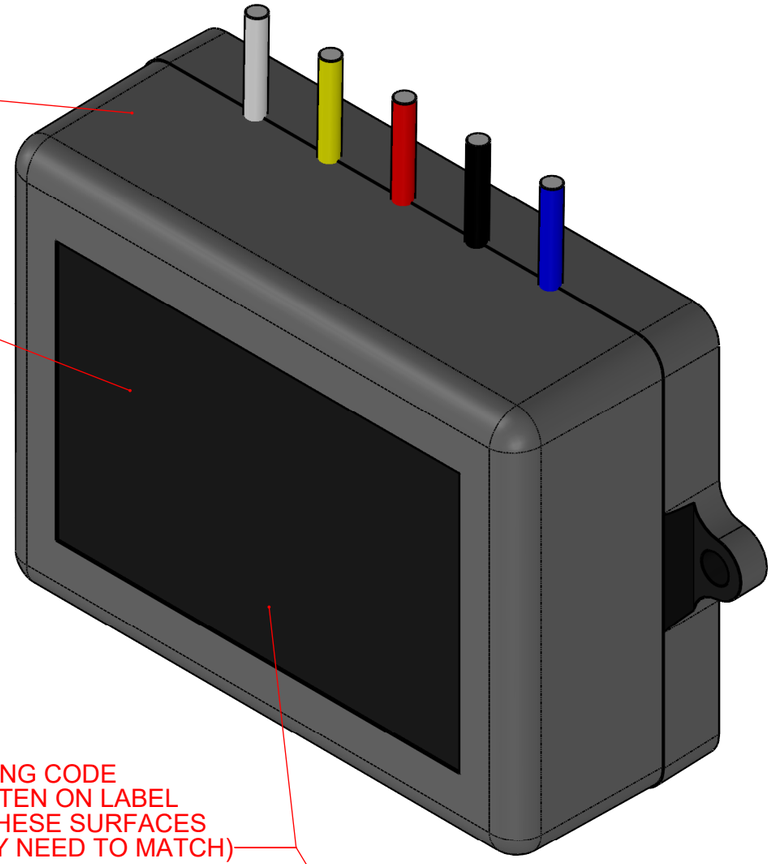
UNLESS SPECIFIED IN CONTRACT ALL WELDS MUST BE PRODUCED BY QUALIFIED WELDERS TO BS EN287-1: 2004 - WELDING SYMBOLS TO BS499-2: 1980
UNLESS SPECIFIED ALL TOLERANCES SHOWN ARE AFTER FINISHING TREATMENTS / PROCESS ARE APPLIED

FLATNESS & SQUARE TOLERANCES: M/C +/-0.2 FABRICATION: +/-1

REV.	DATE	DESCRIPTION	SIG
A	02/11/2020	FIRST ISSUE	NJ

PAIRING CODE
WRITTEN ON LABELs
ON THESE SURFACES
(THEY NEED TO MATCH)

IP68 RATED



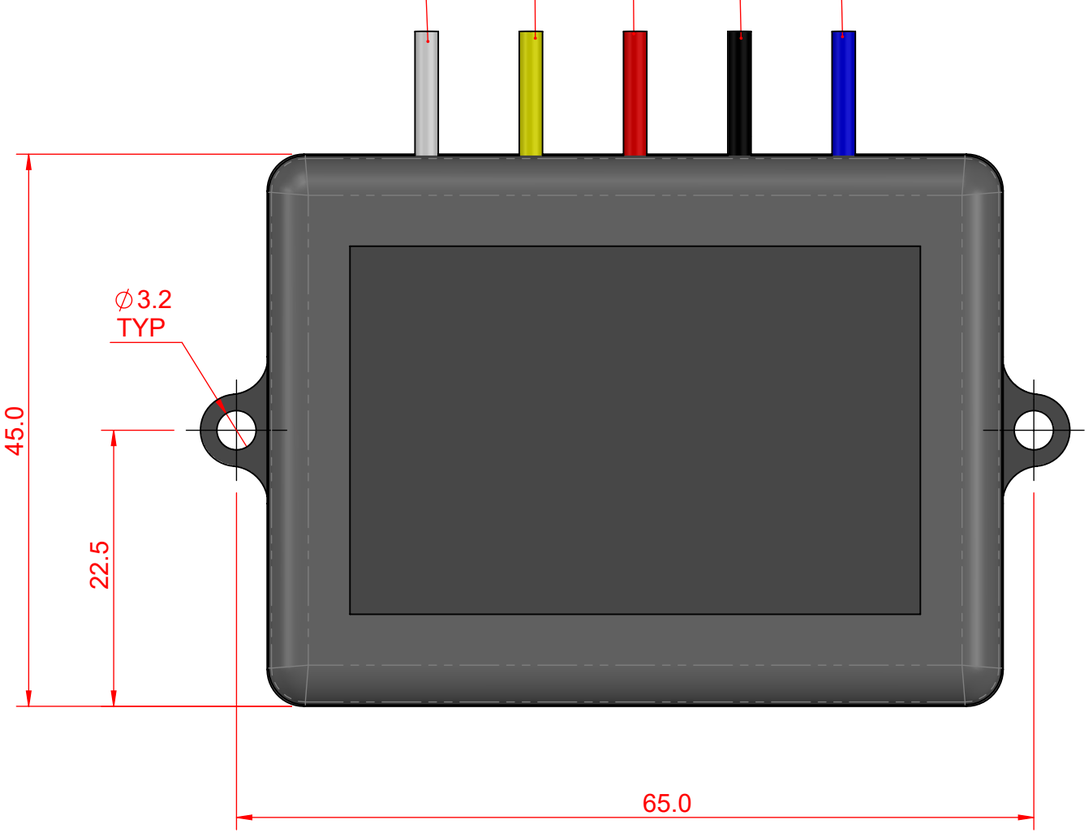
12v / 24v POSITIVE
CONENCTION

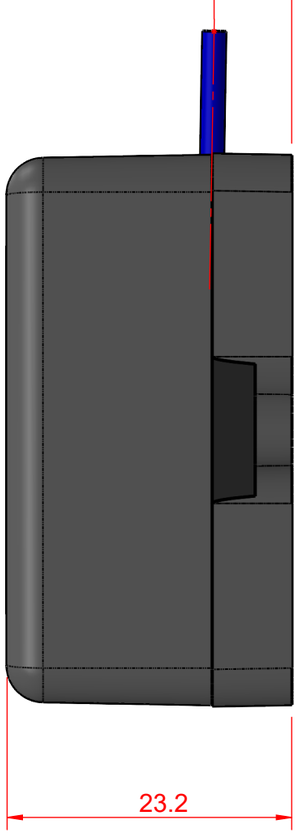
EARTH / NEG
CONNECTION

WINCH IN

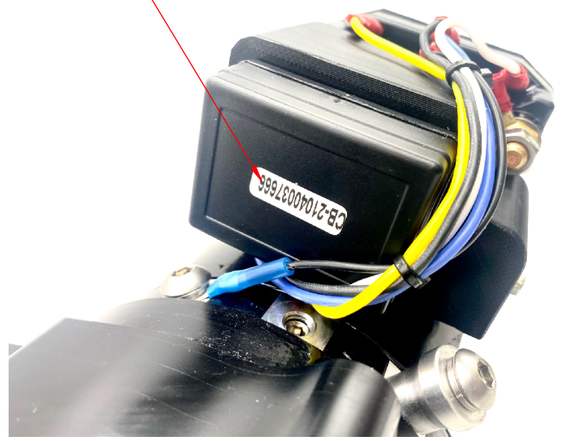
WINCH OUT

ARIEL / RECIEVER WIRE





PAIRING CODE
WRITTEN ON LABEL
ON THESE SURFACES
(THEY NEED TO MATCH)



Red Winches
www.red-winches.com
email: sales@red-winches.com

A3

DRAWN	CHECKED	DATE
CB	NB / NJ	02/11/2020

DRAWING DESCRIPTION:
WIRELESS RECIEVER - WINCH

MATERIAL:

FINISH

DRAWING NUMBER:	SCALE	REVISION	
WR-01		A	SHT 1 OF 2

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GENERAL TOLERANCES UNLESS SPECIFIED				
X +/-0.50	X.X +/-0.25	X.XX +/-0.1	X +/-1°	X.X +/-0.5°

UNLESS SPECIFIED IN CONTRACT ALL WELDS MUST BE PRODUCED BY QUALIFIED WELDERS TO BS EN287-1: 2004 - WELDING SYMBOLS TO BS499-2: 1980
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HAND CONTROLLER OPERATION

ON/OFF Power Button
1.5 - 2.5 Sec press to turn on / connect.
Quick press to turn off, almost instant
This quick touch will also function like an emergency stop.
If accidently pressed, the winch will stop working.

LED
When the transmitter matches with the receiver, the LED will be a solid light, when the wireless is communicating, the light is fast flickering.
When the transmitter drops its wireless connection the LED is a slow flickering, it means the transmitter is looking for the receiver.
After they match, the LED will turn into solid light.

PAIRING
Switch on Unit using power button,
Press Winch IN & Winch OUT buttons together
LED will blink slowly when paired

FAIL SAFE
If a winch in or winch out button was to fail
Worst case: Fail closed so keeps winching in or out
The power button can be pressed which will terminate the connection and stop the winch.
Please note: To reconnect the power button would have to be pressed for 1.5-2.5secs

IP67
Tested in 1m water depth, no water entry.

Wireless
2.4G is what we will use, can connect 200m away without issues, but its not very good for penetration resistance (through walls, concrete block etc). 2.4G is universal usage in the world which is why we have used it for this transmitter.

Red Winches www.red-winches.com email: sales@red-winches.com	A3	DRAWN	CHECKED	DATE
		CB	NB / NJ	02/11/2020

DRAWING DESCRIPTION: WIRELESS HANDSET
MATERIAL:
FINISH

DRAWING NUMBER:	SCALE	REVISION	SHT / OF
WR-01		A	SHT 2 OF 2

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