CARTEK
MOTORSPORT ELECTRONICS

WIRELESS CONTROL SYSTEM

DATA SHEET

Kit includes:
- Steering Wheel Switch Panel
- Infra-red Transmitter
- Relay Control Module
- Multi coloured Label Sheet
- UV Florescent Label Sheet
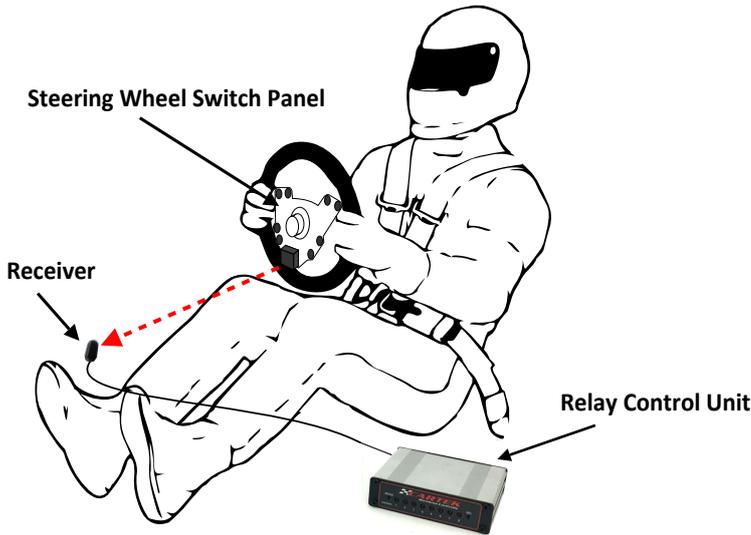 (glow in dark under UV light)
- Flying Leads

The Wireless Control System from CARTEK is the quickest and easiest way to install pushbutton controls to a detachable racing steering wheel.

The system has eight pushbutton switches which are wirelessly linked to eight (10 Amp) relays.

These relays are microprocessor controlled and individually configurable to provide a choice of functions including momentary, latching and flashing modes for uses such as: PTT radio, pit lane limiter, dash menus, lights, indicators, etc..

Steering Wheel Switch Panel

Receiver

Relay Control Unit

FEATURES

- 8 Pushbutton channels (or 6 + 2 gear shift paddles).
- Wireless link between steering wheel and dashboard. 360 Degrees.
- Compatible with any make and type of quick release hub.
- 8 Independent relay channels (10A rated contacts).
- Configurable relay functions including:
  - *Momentary action*
  - *Latching (with memory)*
  - *Latching (without memory)*
  - *Flashing (slow speed - minimum 5 seconds)*
  - *Flashing (slow speed - latching. For indicators or Hazards etc)*
  - *Flashing (fast speed - minimum 3 flashes. For flashing headlights etc)*
- Fast response time, suitable for electronic gear shifting.
- 2 Label sheets allowing for full customisation.
- Battery powered. Long life with battery condition indication.

PARTS LIST

	PART NO	DESCRIPTION
	CK-WX-09	Wireless Control system (Standard)
	CK-WX-07	Wireless Control system with gearshift paddles
	CK-WB-06	Quick release steering wheel hub

DATA SHEET

SPECIFICATION

RELAY CONTROL UNIT	
SIZE:	W=108 mm, H=30 mm, L=85 mm
WEIGHT:	240g
REAR CONNECTORS:	2 x 8 Way MOLEX Minifit 1 x 2 Way MOLEX Minifit 1 x Jack Plug
POWER:	12V
RELAY CURRENT RATING:	10A
RESPONSE TIME:	70MS
STEERING WHEEL SWITCH PANEL	
SIZE:	W=194 mm, H=160 mm
WEIGHT:	220g (INC BATTERY)
POWER:	INTERNAL BATTERY MN21 (LAST APPROX 3 YEARS)

PIN OUT

Connector 1

Pin 1 - Channel 8 Input (power or gnd)

Pin 2 - Channel 7 Input (power or gnd)

Pin 3 - Channel 6 Input (power or gnd)

Pin 4 - Channel 5 Input (power or gnd)

Pin 5 - Channel 8 Output (power or gnd)

Pin 6 - Channel 7 Output (power or gnd)

Pin 7 - Channel 6 Output (power or gnd)

Pin 8 - Channel 5 Output (power or gnd)

Connector 2
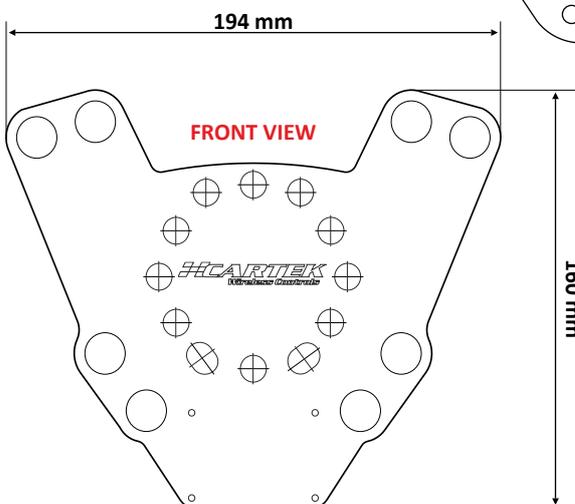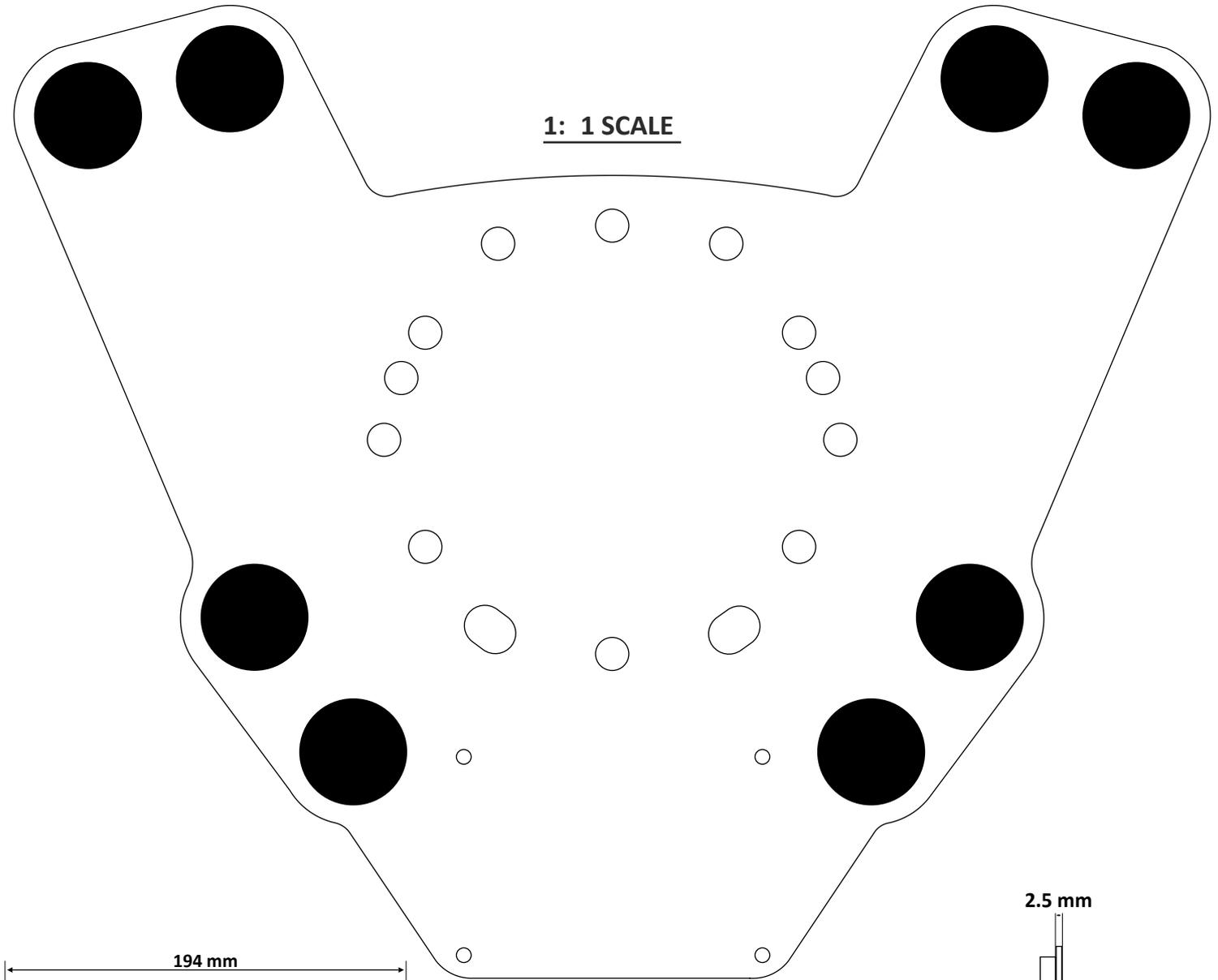
Jack Plug - Infrared Sensor

Connector 3

Pin 1 - 12V

Pin 2 - GND

Connector 4

Pin 1 - Channel 4 Input (power or gnd)

Pin 2 - Channel 3 Input (power or gnd)

Pin 3 - Channel 2 Input (power or gnd)

Pin 4 - Channel 1 Input (power or gnd)

Pin 5 - Channel 4 Output (power or gnd)

Pin 6 - Channel 3 Output (power or gnd)

Pin 7 - Channel 2 Output (power or gnd)

Pin 8 - Channel 1 Output (power or gnd)

DATA SHEET

DIMENSIONS

1: 1 SCALE

194 mm

FRONT VIEW

160 mm

108 mm

30 mm

MODE   SEL

CHANNEL 1 2 3 4 5 6 7 8

DO NOT SCALE

2.5 mm

SIDE VIEW

20 mm

5 mm