

Instrument Manual

Complied by SiAECOSY

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1. DKD

1.1 DKD 061LCD



(1) Specifications

Communication Type: CAN + Single-wire Communication

Supply Voltage: 33-84V

Rated Voltage: 72V

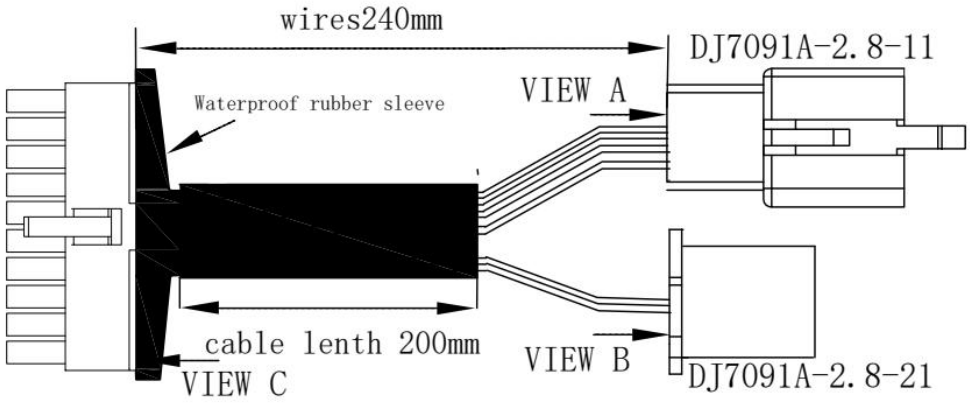
Motor Pole Pairs: 24

Tire Circumference: 1516 mm

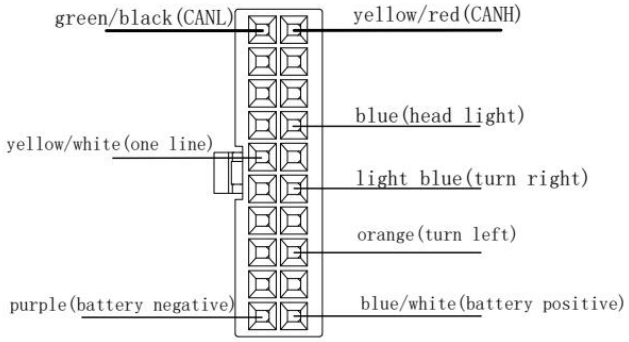
Functions: Current Display, Left/Right Turn Signals, Fault Light, High Beam, Voltage & SOC Display, Power Consumption Indicator, Speed Display, km/mile Switch, Odometer, Gear Position

(2) Overall Dimensions162.5 mm × 93.7 mm × 39.1 mm

(3) Wire Length: 240 mm; Casing Length: 200 mm



(4) Wiring Definition

Wiring Definition	Color	Definition
	Green Black	CANL
	Yellow White	One-wire Communication
	Purple	Negative
	Red Yellow	CANH
	Blue	High Beam
	Light Blue	Right Turn
	Orange	Left Turn
	White Blue	Positive

1.2 DKD 061TFT



(1) Specifications

Communication Type: CAN Communication

Supply Voltage: 12V

Rated Voltage: 72V

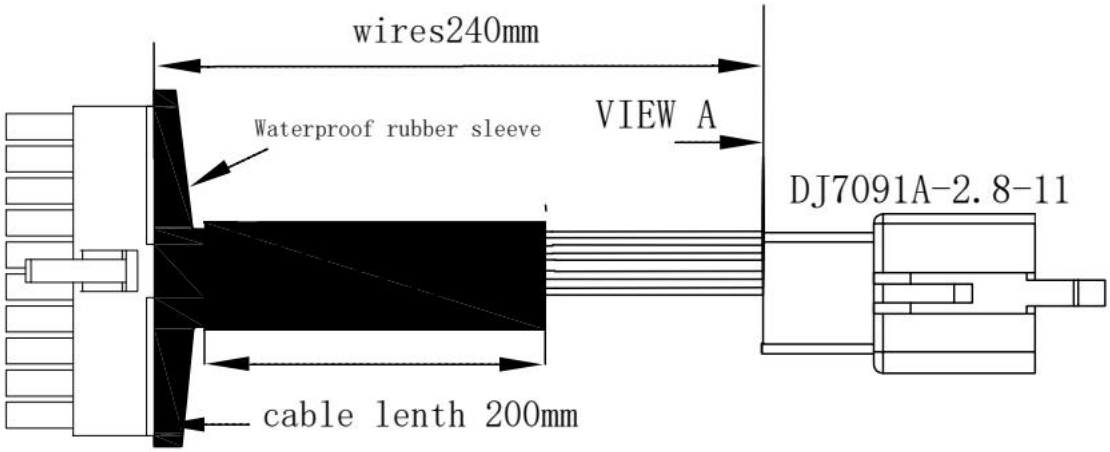
Motor Pole Pairs: 24

Tire Circumference: 1516mm

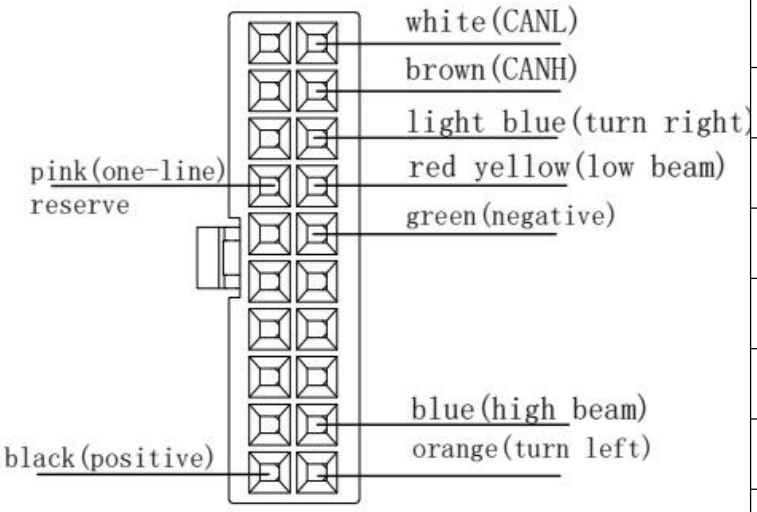
Functions: Current display, left/right turn signals, fault indicator, high beam, voltage and battery level display, power consumption indicator, speed display, km/mile switching, mileage display, gear position, power display, product LOGO

(2) Dimensions162.5mm × 93.7mm × 39.1mm

(3) Wire Length: 240mm; Sleeve Length: 200mm



(4) Wiring Definition

Wiring Definition	Color	Definition
	Pink	One-wire Communication (Reserved)
	Black	Positive
	White	CANL
	Brown	CANH
	Light Blue	Right Turn
	Red Yellow	Low Beam
	Green	Negative
	Blue	High Beam
	Orange	Left Turn

2.CT-22



(1) Specifications

Communication Type: Hall Communication

Supply Voltage: 33 – 144V

Rated Voltage: 72V

Motor Pole Pairs: 16

Tire Circumference: 1889mm

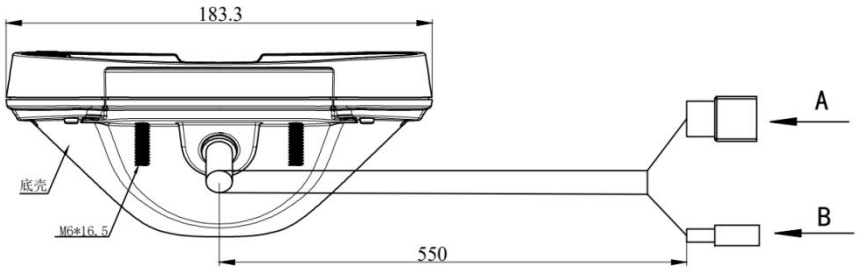
Special Requirement: The deviation between displayed voltage and actual voltage shall not exceed 1V.

Functions: Speed display, mileage display, voltage & battery level display, clock, left/right turn signals, position light, high beam, km/mile switching, gear position

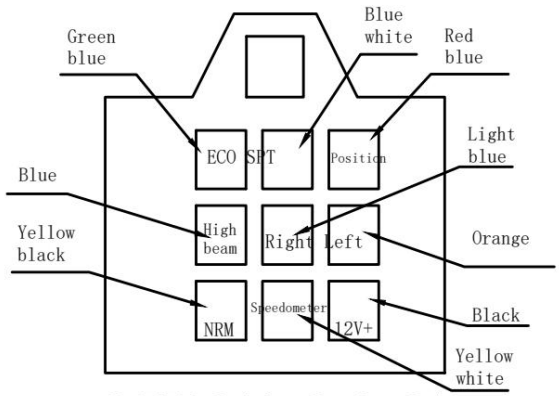
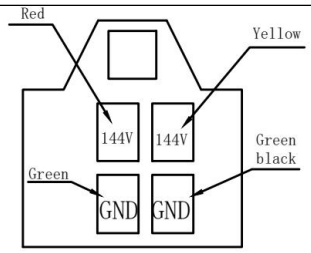
(2) Dimensions

183.3mm × 87.3mm × 78.6mm

(3) Wire Length: 550mm



(4) Wiring Definition

Wiring Definition	Color	Definition
 DJ7091A-2.8-21	Green Blue	ECO
	Blue White	SPT
	Red Blue	Position Light
	Blue	High Beam
	Light Blue	Right Turn
	Orange	Left Turn
	Yellow Black	NRM
	Yellow White	Vehicle Speed
	Black	12V+
 DJ7041A-2.8-21	Red	144V Power
	Yellow	144V Memory
	Green	24V Ground
	Green Black	144V Ground

3.SCJ5066 5inch instrument

3.1 SCJ5066-1 5inch instrument (GEN1)



(1) Specifications

Voltage: DC12-120V

Communication Type: CAN, Single-wire Communication

Amplifier Output: 5W/4Ω ×2CH

Pixel: 800×480

Protection Grade: IP65

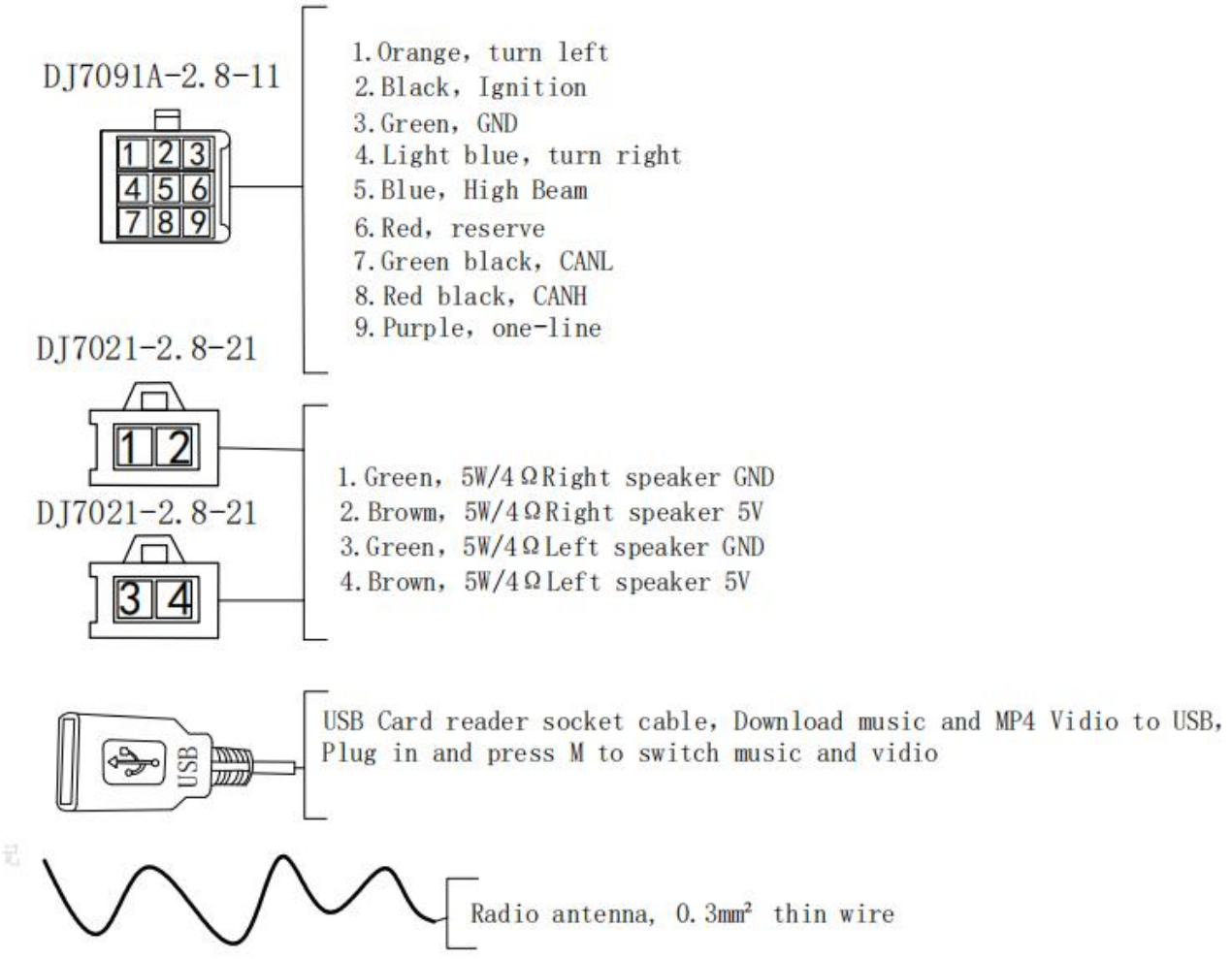
Operating Temperature Range: -30℃～+80℃

Functions: Speed display, left & right turn signals, fault indicator, tire pressure monitoring, volume adjustment, mileage estimation, mileage display, voltage & battery level display, gear position, mobile Bluetooth, Bluetooth incoming call display, Chinese/English switch, power-on time, radio, USB multimedia music and video, USB software upgrade

(2) Dimensions

170mm × 96mm × 39mm

(4) Wiring Definition



3.2 SCJ5066-2 5inch instrument (GEN2)



(1) Specifications

Voltage: DC 12－120V

Communication Type: CAN, One-wire Communication

Amplifier Output: 5W/4Ω × 2CH

Resolution: 800 × 480

Protection Class: IP65

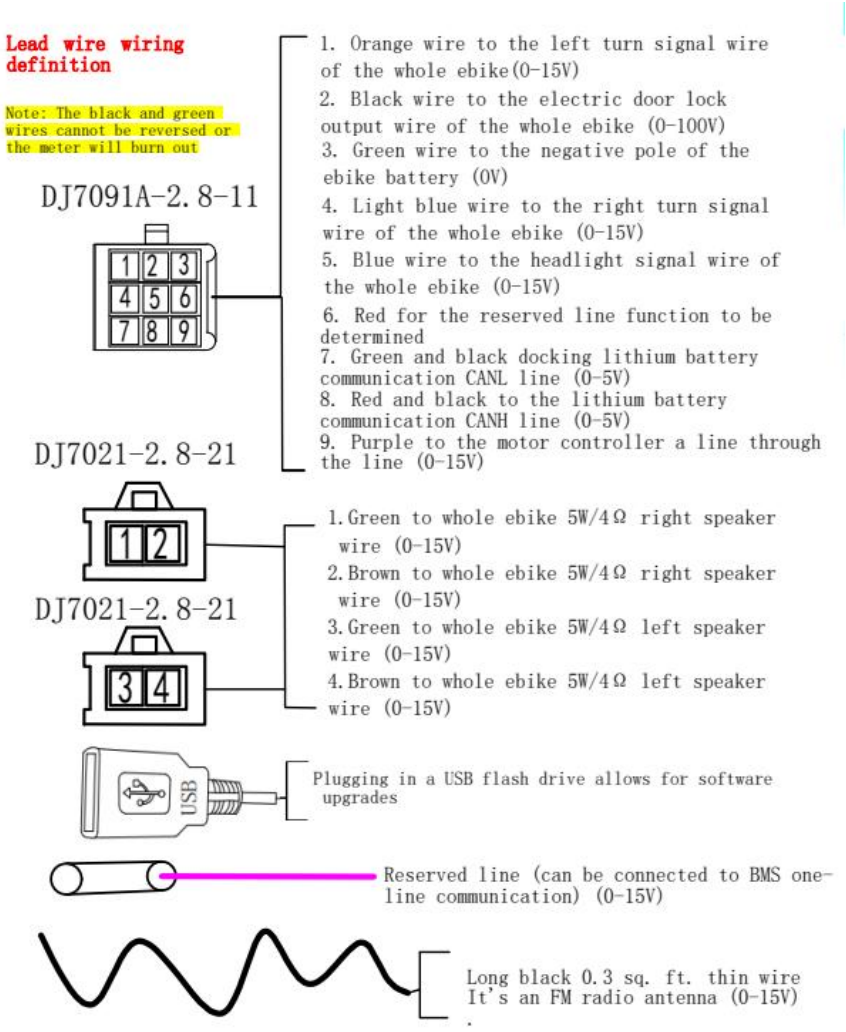
Operating Temperature: -30℃～+80℃

Functions: Speed display, left & right turn signals, fault indicator, tire pressure monitoring, energy-saving mode, RPM display, volume adjustment, mileage estimation, mileage display, voltage & battery level display, gear position, mobile Bluetooth, Bluetooth incoming call display, Chinese/English switch, boot time, radio, USB multimedia music and video, USB software upgrade

(2) Dimensions

170mm × 96mm × 39mm

(3) Wiring Definition



3.3 SCJ5066-3 5inch instrument (GEN3)



(1) Specifications

Voltage: DC 12 – 120V

Communication Type: CAN, Single-wire Communication

Amplifier Output: 5W/4Ω × 2CH

Resolution: 800 × 480

Protection Class: IP65

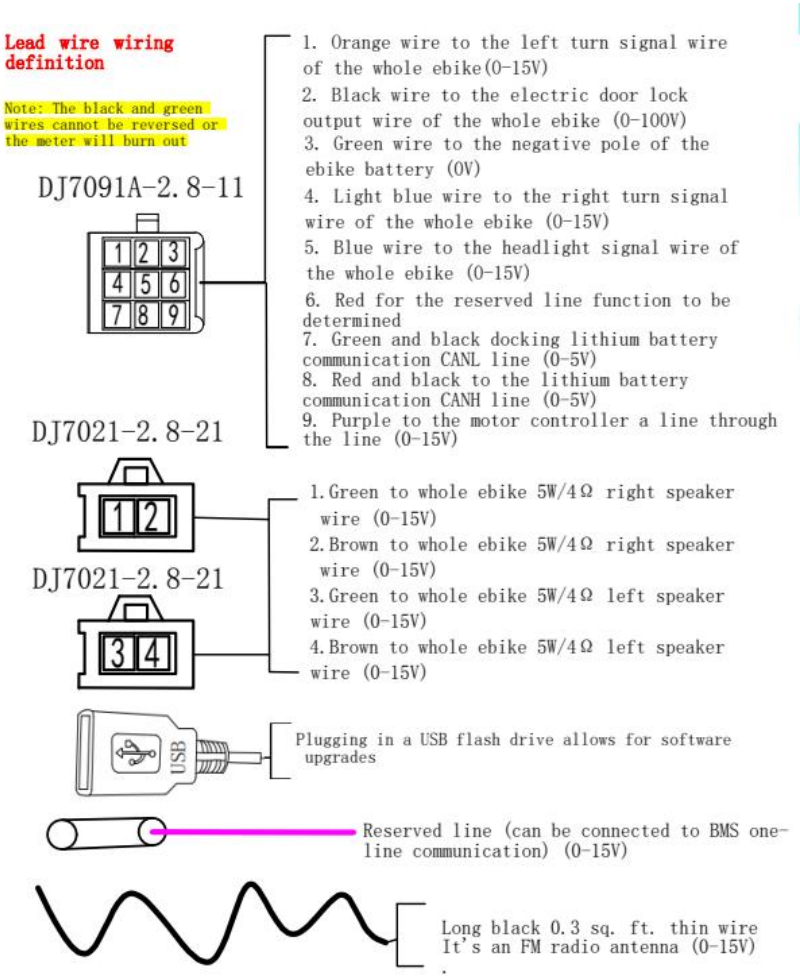
Operating Temperature: -30℃ ~ +80℃

Functions: Speed display, left & right turn signals, fault indicator, tire pressure monitoring, energy-saving mode, RPM display, volume adjustment, mileage estimation, mileage display, voltage & battery level display, gear position, mobile Bluetooth, Bluetooth incoming call display, Chinese/English switch, boot time, radio, USB multimedia music and video, USB software upgrade, projection, button + TP full-touch function, one-key screen lock

(2) Dimensions

170mm × 96mm × 39mm

(3) Wiring Definition



4. SCJ3130 3.1inch instrument (long version)



(1) Specifications

Voltage: DC 12–150V

Communication Type: CAN, Single-wire Communication

Resolution: 376 × 960

Protection Class: IP65

Operating Temperature: -20℃～+70℃

Functions: "SiAECOSYS" LOGO, tire pressure indication, USB software upgrade, speed display, mileage display, gear position, output power display, left & right turn signals, high beam, position light, fault indicator, temperature display, voltage & battery level display, boot time, direction buttons

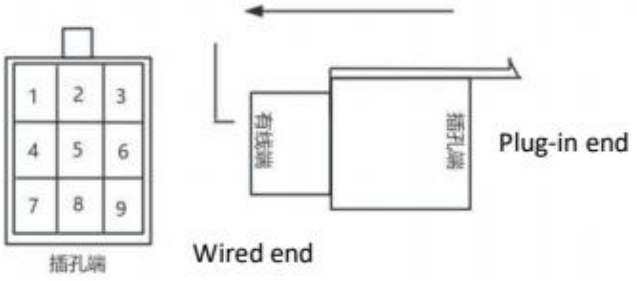
(2) Dimensions

142mm × 42mm × 32mm

(3) Wiring Definition

Outlet port definition

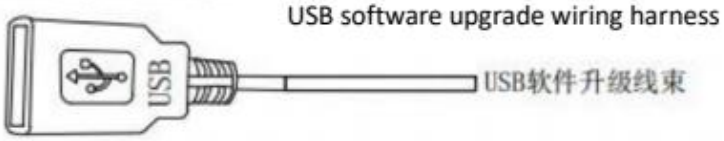
1. Orange (left turn signal)
2. Black (Electric Lock)
3. Green (Ground wire)
4. light blue (Right turn signal)
5. Blue (Headlight)
6. Red (Reserve)
7. Orange white (CANL)
8. Red white (CANH)
9. Purple (one line communication)



Plug-in end

Figure 1

USB 软件升级线束



5.SCJ3500 3.5inch instrument





(1) Specifications

Voltage: DC 10 – 100V

Communication Type: Support CAN and single-wire communication, compatible with Hall speed

Amplifier Output: 3W/4Ω × 1CH

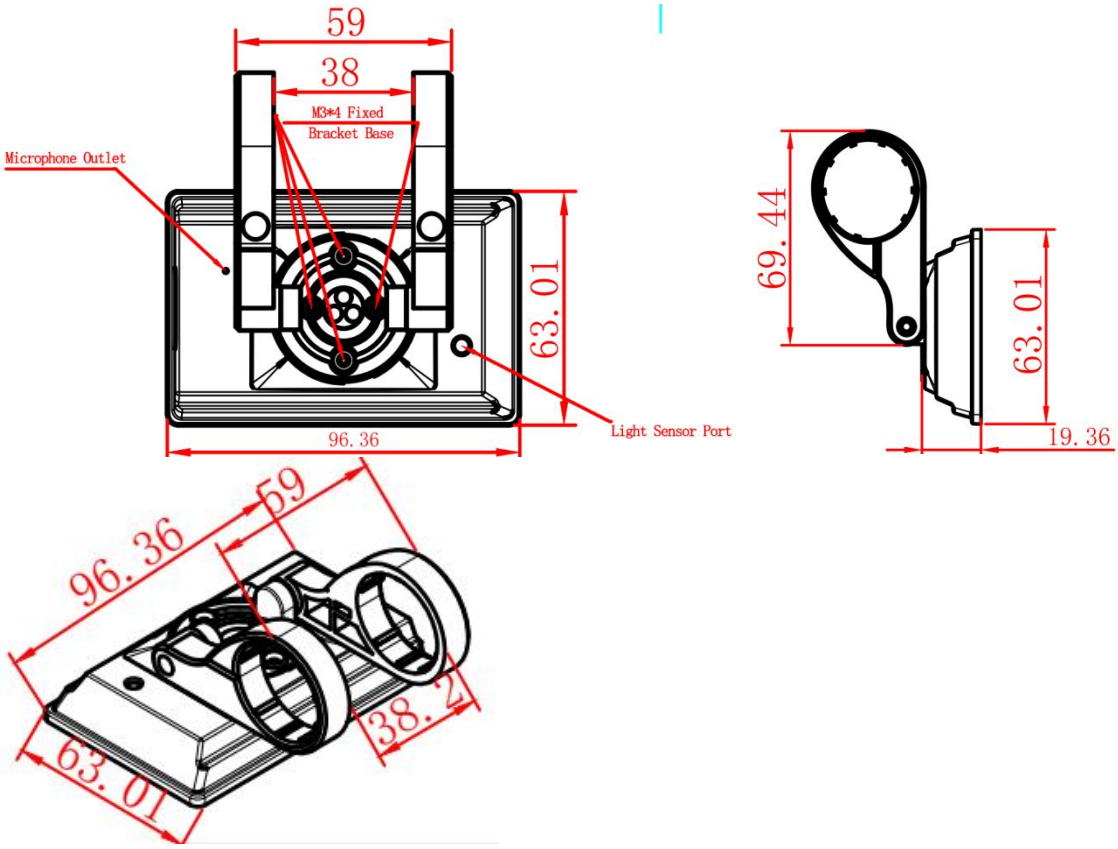
Resolution: 320 × 480

Protection Class: IP65

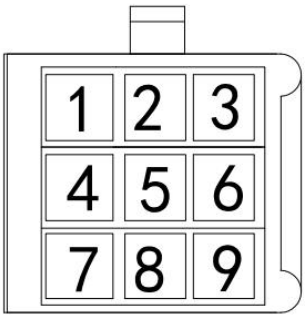
Operating Temperature: -20℃ ~ +70℃

Functions: Horizontal / Vertical version; mobile Bluetooth, Bluetooth incoming call reminder, tire pressure monitoring, Type- C software upgrade, Type- C charging (not supported on some devices), left & right turn signals, high beam, low beam, fault indicator, temperature display, battery & voltage display, speed display, mileage display, RPM display, gear position

(2) Dimensions: 96.36mm × 63.01mm × 19.36mm



(3) Wiring Definition



DJ7091A-2.8-11

1. Orange wire connects to the vehicle's left turn signal signal wire (0-15V)
2. Black wire connects to the vehicle's ignition lock wire (within 96V)
3. Green wire connects to the vehicle's battery negative terminal (0V)
4. Brown wire connects to the vehicle's right turn signal signal wire (0-15V)
5. Blue wire connects to the vehicle's headlight signal wire (0-15V)
6. Red reserved wire
7. White wire connects to the lithium battery communication CAN L wire (0-5V)
8. Yellow wire connects to the lithium battery communication CAN H wire (0-5V)
9. Purple wire connects to the motor controller one-wire communication wire (0-15V)

6.SCJ3622-A 3.6inch instrument (round version)



(1) Specifications

Voltage: DC 12–150V

Communication Type: CAN, Single-wire Communication

Amplifier Output: 5W/4Ω × 2CH

Resolution: 544 × 506

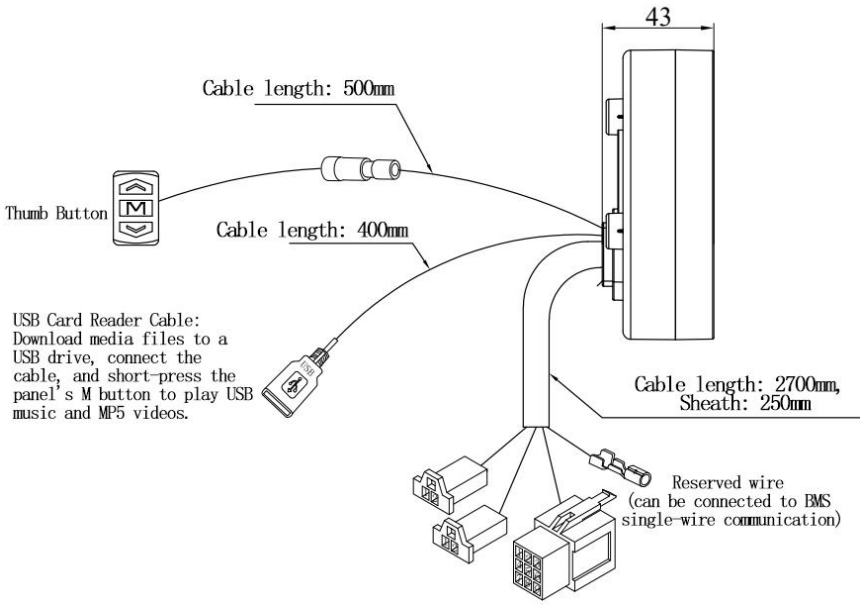
Protection Class: IP65

Operating Temperature: -20℃ ~ +70℃

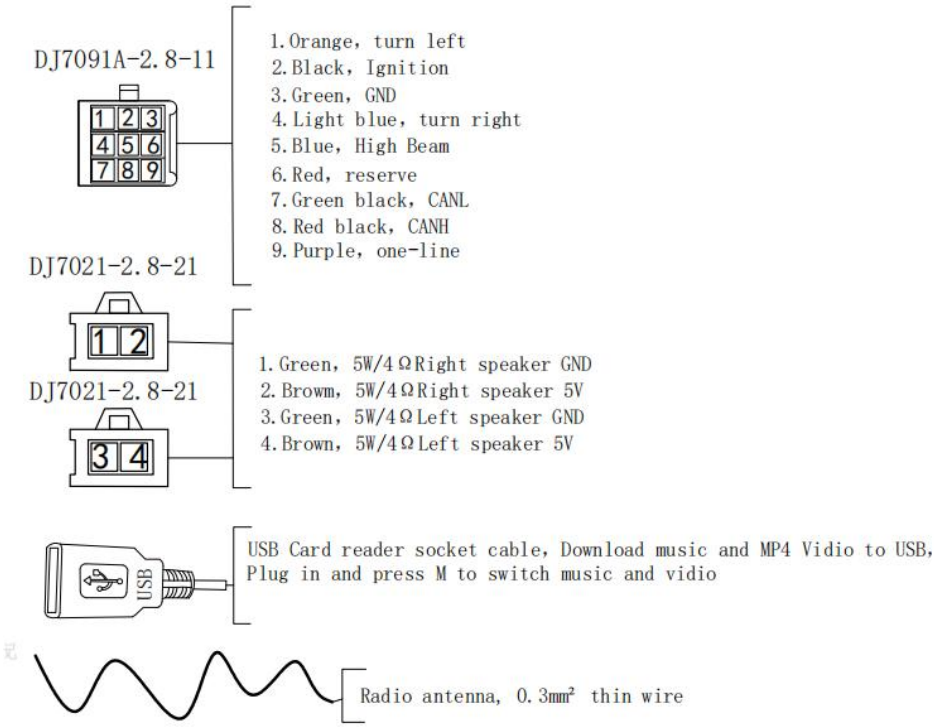
Functions: 2 instrument main interfaces switchable; speed display, fault indicator, battery & voltage display, boot time, gear position, USB MP3 music, Bluetooth music, mobile Bluetooth, Bluetooth incoming call display, USB software upgrade, battery display, mileage estimation, mileage display, tire pressure monitoring

(2) Dimensions: ⌀ 112mm

(3) Cable length: 2700mm; Sheath: 250mm



(4) Wiring Definition



7.SCJ6877-E 6.8inch instrument



(1) Specifications

Voltage: DC 12－150V

Communication Type: CAN, Single-wire Communication

Amplifier Output: 8W/4Ω × 2CH

Resolution: 480 × 1280

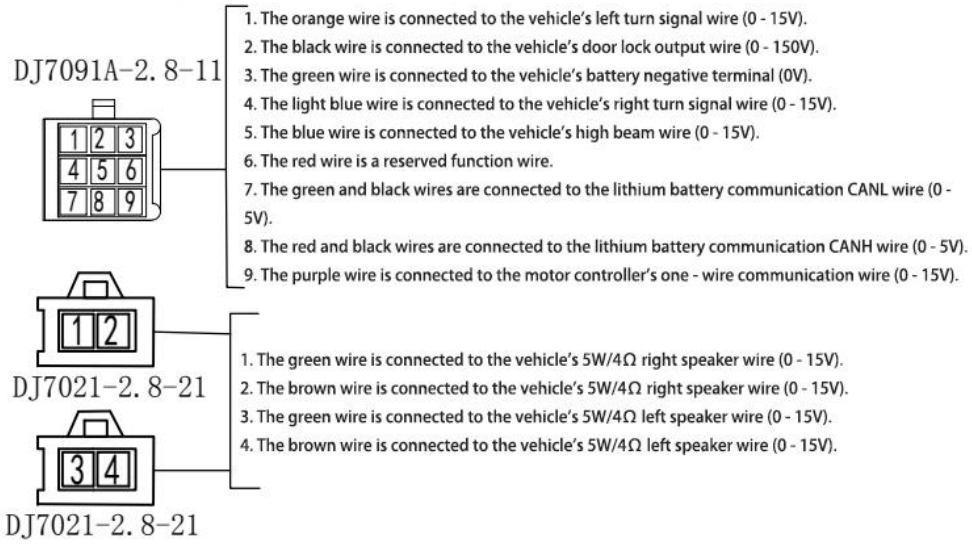
Protection Class: IP65

Operating Temperature: -20℃～+70℃

Functions: 4 switchable main instrument interfaces; button + TP full-touch function, one-key screen lock, FM radio, projection, mobile Bluetooth, left & right turn signals, high beam, fault indicator, RPM display, mileage display, voltage & battery level display, boot time, speed display, gear position, tire pressure monitoring, km/mile switching

(2) Dimensions: 222mm × 106mm × 41mm

(3) Wiring Definition



8.SCJ7088 7inch instrument

8.1 SCJ7088-V1 7inch instrument



(1) Specifications

Voltage: DC 20 – 120V

Communication Type: Support CAN and single-wire communication, compatible with Hall speed

Amplifier Output: 8W/4Ω × 2CH

Resolution: 1024 × 600

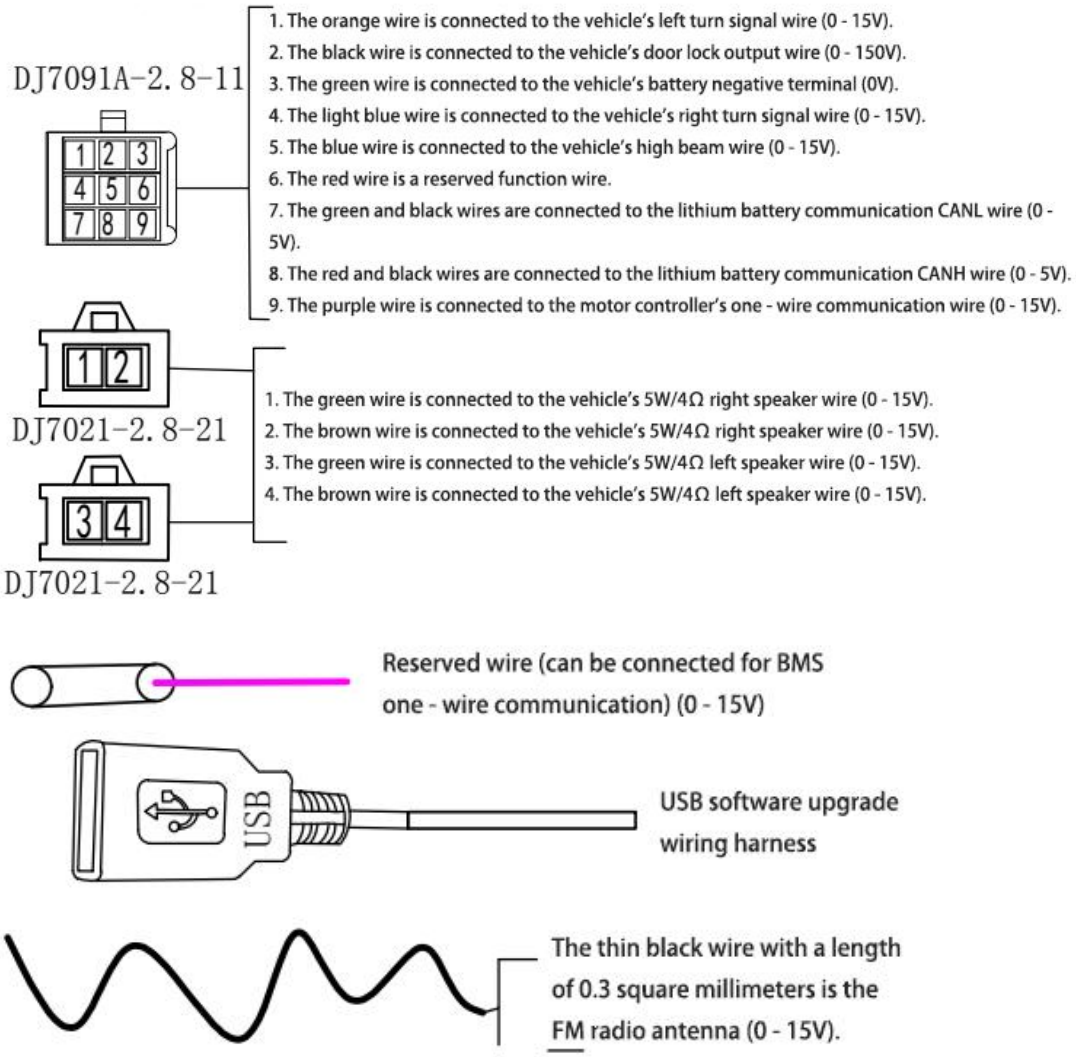
Protection Class: IP65

Operating Temperature: -20℃ ~ +70℃

Functions: Mobile Bluetooth, touchscreen multimedia, radio, MP3 music, MP4 video, reverse camera, Bluetooth incoming call reminder, volume control, tire pressure monitoring, USB software upgrade, language switching, left & right turn signals, position lights, high beam, fault indicator, battery & voltage display, speed display, mileage display, mileage estimation, RPM display, gear position, km/mile switching

(2) Dimensions: 183mm × 113mm × 44.3mm

(3) Wiring Definition



8.2 SCJ7088-V2 7inch instrument



(1) Specifications

Voltage: DC 20－120V

Communication Type: Support CAN and single-wire communication, compatible with Hall speed

Amplifier Output: 8W/4Ω × 2CH

Resolution: 1024 × 600

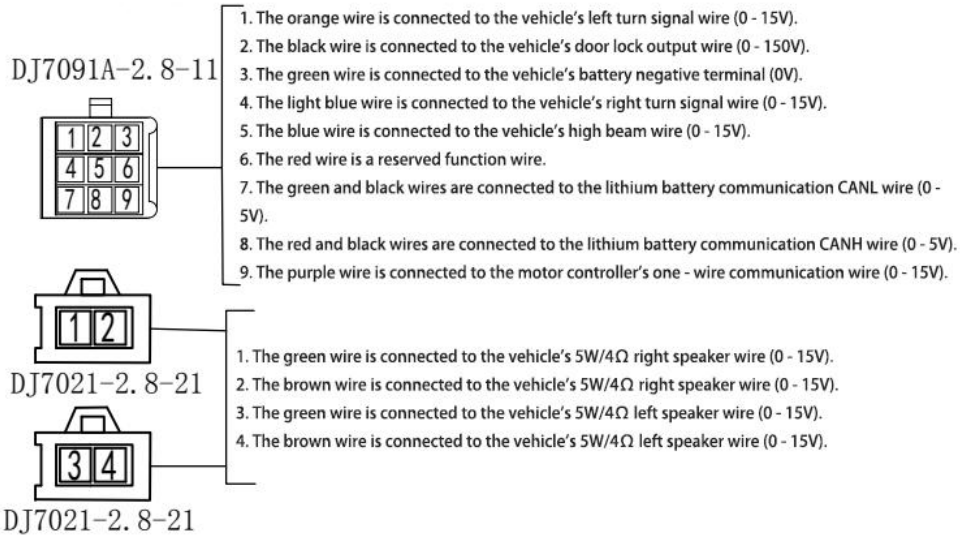
Protection Class: IP65

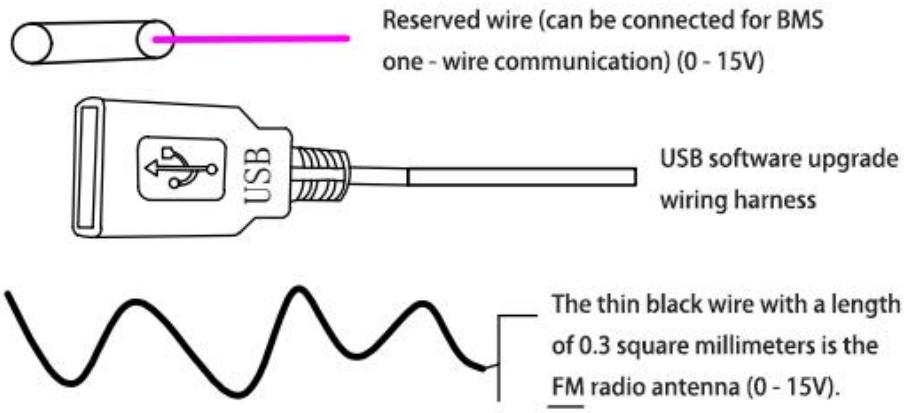
Operating Temperature: -20℃～+70℃

Functions: Mobile Bluetooth, touchscreen multimedia, radio, MP3 music, MP4 video, reverse camera, Bluetooth incoming call reminder, volume control, tire pressure monitoring, USB software upgrade, language switching, left & right turn signals, position lights, high beam, fault indicator, battery & voltage display, speed display, mileage display, mileage estimation, RPM display, gear position, km/mile switching

(2) Dimensions: 183mm × 113mm × 44.3mm

(3) Wiring Definition


DJ7091A-2.8-11
1. The orange wire is connected to the vehicle's left turn signal wire (0 - 15V).
2. The black wire is connected to the vehicle's door lock output wire (0 - 150V).
3. The green wire is connected to the vehicle's battery negative terminal (0V).
4. The light blue wire is connected to the vehicle's right turn signal wire (0 - 15V).
5. The blue wire is connected to the vehicle's high beam wire (0 - 15V).
6. The red wire is a reserved function wire.
7. The green and black wires are connected to the lithium battery communication CANL wire (0 - 5V).
8. The red and black wires are connected to the lithium battery communication CANH wire (0 - 5V).
9. The purple wire is connected to the motor controller's one - wire communication wire (0 - 15V).
DJ7021-2.8-21
1. The green wire is connected to the vehicle's 5W/4Ω right speaker wire (0 - 15V).
2. The brown wire is connected to the vehicle's 5W/4Ω right speaker wire (0 - 15V).
3. The green wire is connected to the vehicle's 5W/4Ω left speaker wire (0 - 15V).
4. The brown wire is connected to the vehicle's 5W/4Ω left speaker wire (0 - 15V).
DJ7021-2.8-21


Reserved wire (can be connected for BMS one - wire communication) (0 - 15V)
USB
USB software upgrade wiring harness
The thin black wire with a length of 0.3 square millimeters is the FM radio antenna (0 - 15V).

9.SCJ-V4-01


READY
NORMAL
km/h

(1) Specifications

Voltage: DC 10 – 120V

Communication Type: Support CAN and single wire communication, compatible with Hall speed

Amplifier Output: 5W/4Ω × 2CH

Resolution: 800 × 480

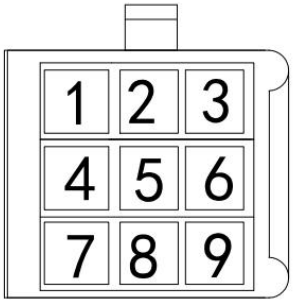
Protection Class: IP65

Operating Temperature: -20℃ ~ +70℃

Functions: Horizontal / Vertical version; mobile Bluetooth, Bluetooth incoming call reminder, volume control, tire pressure monitoring, Type- C software upgrade, left & right turn signals, high beam, fault indicator, battery & voltage display, speed display, mileage display, RPM display, gear position, km/mile switching

(2) Dimensions: 162mm × 93.3mm × 46.9mm

(3) Wiring Definition



DJ7091A-2.8-11

1. Orange wire connects to the vehicle's left turn signal signal wire (0-15V)
2. Black wire connects to the vehicle's ignition lock wire (within 96V)
3. Green wire connects to the vehicle's battery negative terminal (0V)
4. Brown wire connects to the vehicle's right turn signal signal wire (0-15V)
5. Blue wire connects to the vehicle's headlight signal wire (0-15V)
6. Red reserved wire
7. White wire connects to the lithium battery communication CAN L wire (0-5V)
8. Yellow wire connects to the lithium battery communication CAN H wire (0-5V)
9. Purple wire connects to the motor controller one-wire communication wire (0-15V)

10. X8-E



(1) Specifications

Communication Type: Hall Communication

Supply Voltage: 33 – 144V

Rated Voltage: 72V

Motor Pole Pairs: 16

Tire Circumference: 1889mm

Odometer display, parameters non-adjustable

Functions: Battery & voltage display, speed display, mileage display, left & right turn signals, high beam, position light, gear position, fault indicator, clock

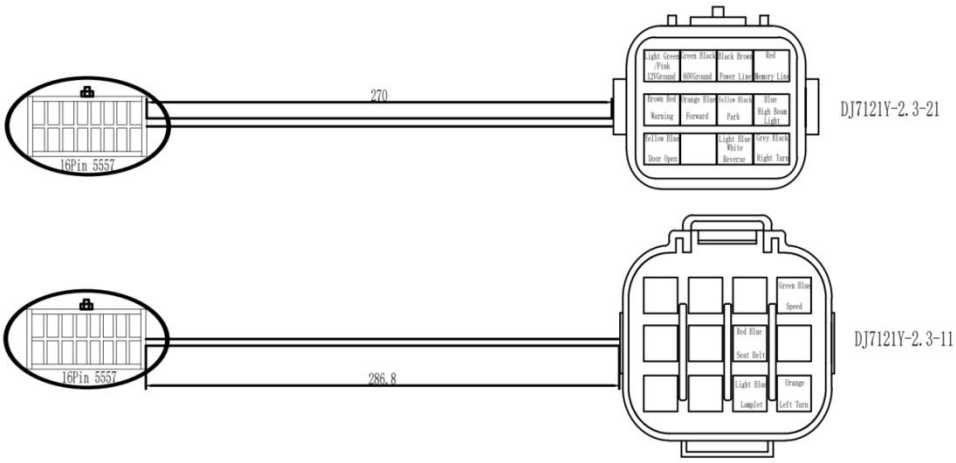
(2) Dimensions

408.98mm × 102.9mm

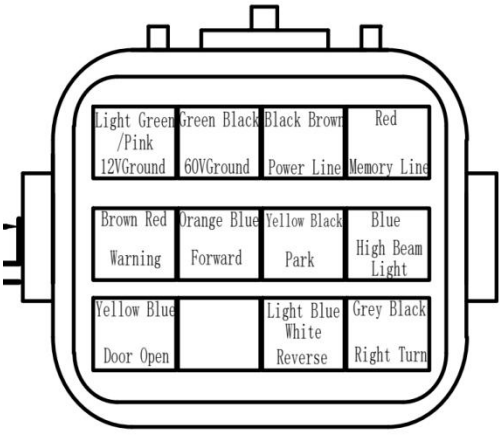
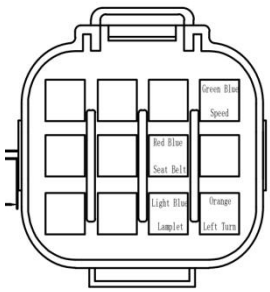
(3) Cable Length

Cable 1 length: 270mm

Cable 2 length: 286.8mm



（4）Wiring Definition

Wiring Definition	Color	Definition
 DJ7121Y-2.3-21	Light Green/Pink	12V GND
	Green Black	60V GND
	Black Brown	Power Wire
	Red	Memory Wire
	Brown Red	Hazard Light
	Orange Blue	Forward
	Yellow Black	Parking
	Blue	High Beam
	Yellow Blue	Door Open
	/	/
	Light Blue White	Reverse
	Gray Black	Right Turn Signal
 DJ7121Y-2.3-11	Green Blue	Speed
	Red Blue	Safety
	Light Blue	Position Light
	Orange	Left Turn

11. T15 TFT



(1) Specifications

Communication Type: CAN Communication

Supply Voltage: 12V

Rated Voltage: 72V

Motor Pole Pairs: 24

Tire Circumference: 1516mm

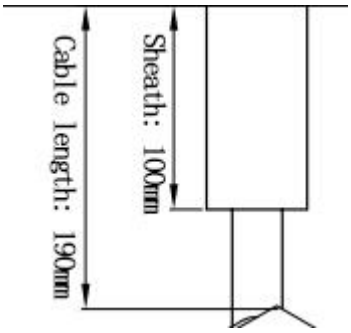
Odometer display, parameters adjustable

Functions: Voltage & battery display, speed display, fault indicator, mileage display, RPM display, left & right turn signals, high beam, gear display, km/mile switching

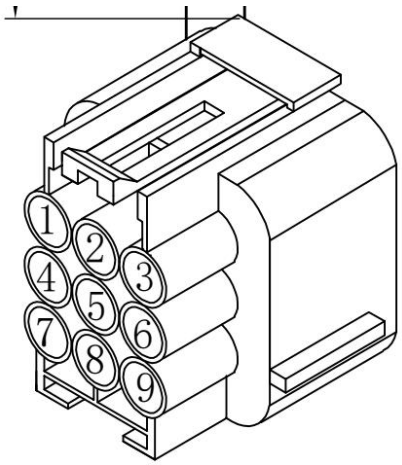
(2) Dimensions

169.6mm × 95.3mm × 35.5mm

(3) Cable length: 190mm; Sheath: 100mm



（4）Wiring Definition

Wiring Definition	SN.	Color	Definition
 DJ7091Y-2.3-21	1	/	/
	2	Purple	CAN H
	3	Green	GND
	4	Gray	CAN L
	5	Blue	High Beam
	6	White	One-wire Communication
	7	Yellow	12V
	8	Orange	Left Turn
	9	Light Blue	Right Turn