

General Description

Display
 Size : 1.28inch Circle TFT
 DriverIC : GC9A01
 Interface Type : SPI (Serial Peripheral Interface)
 Power Supply : 3.3V
 Resolution : 240RGB(H) x 240(V)
 Display Color : Full Color, 262K(max.)
 Luminance(cd/m²) : 400(cd/m²)
 Backlight Type : White LED

Encoder

Transmissive Optical Sensor
 Power Supply : 5V
 Output Signal : HIGH & LOW
 Resolution : 36 step per revolution
 Operating Life : C.W. 100,000 cycles min.
 & C.C.W 100,000 cycles min.

Switch

Contact Rating : 50mA, 12V DC
 Resolution : 0.5±0.3mm
 Operating Life : 100,000 cycles min.

Operation Temperature : -20°C~70°C
 IP Code : IP65

Materials

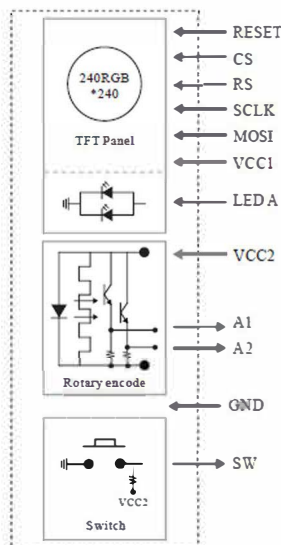
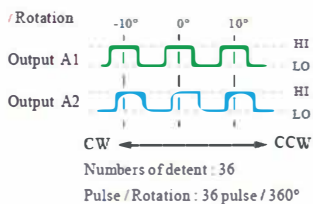
Knob : Polyamide(PA)
 Lens : Polycarbonate (PC)
 Base : Polycarbonate (PC)
 Washer : NBR
 Nuts : Polyamide(PA)



Diagram

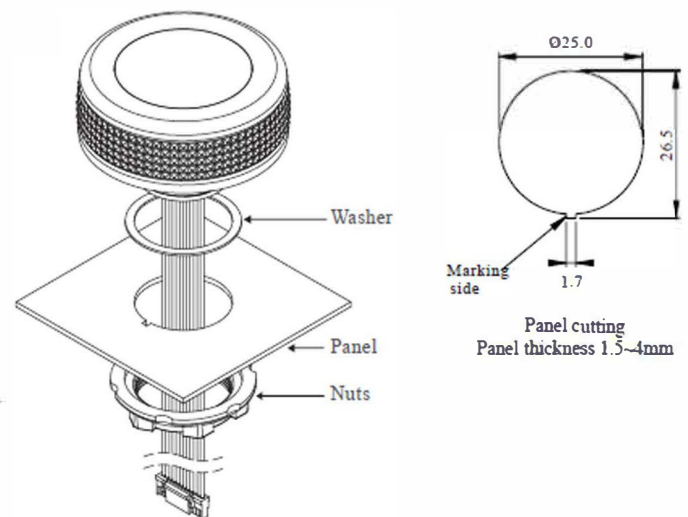
/ Pin function

Pin	Name	Function
1	LED A	LCD Backlight VCC
2	SW N.O.	Switch N.O.
3	VCC2	Rotary Encode Optical Sensor Power
4	A1	Rotary Encode Signal, Output
5	A2	Rotary Encode Signal, Output
6	MOSI	LCD Data Signal, Input
7	SCLK	LCD Clock Signal, Input
8	RS	LCD Register Select Signal
9	CS	LCD Chip Select Signal, Input
10	RESET	LCD Reset Signal, Input
11	GND	Ground
		Switch COM.
12	VCC1	LCD Power



The connector on the SDE2 module is similar JST GHR-1 2V-S Applicable Connector:
 Conductor pitch / 1.25mm
 Conductor width / ±0.2mm

Drawing / Panel Cut-out



Variations



RJS-SDE2-PL
Knob type P - Silver/ Plastic



RJS-SDE2-10
Knob type 1 - Silver/ Aluminium



RJS-SDE2-2L
Knob type P - Silver/ Plastic



RJS-SDE2-P5
Knob type P - Black/ Plastic



RJS-SDE2-15
Knob type P - Black/ Aluminium



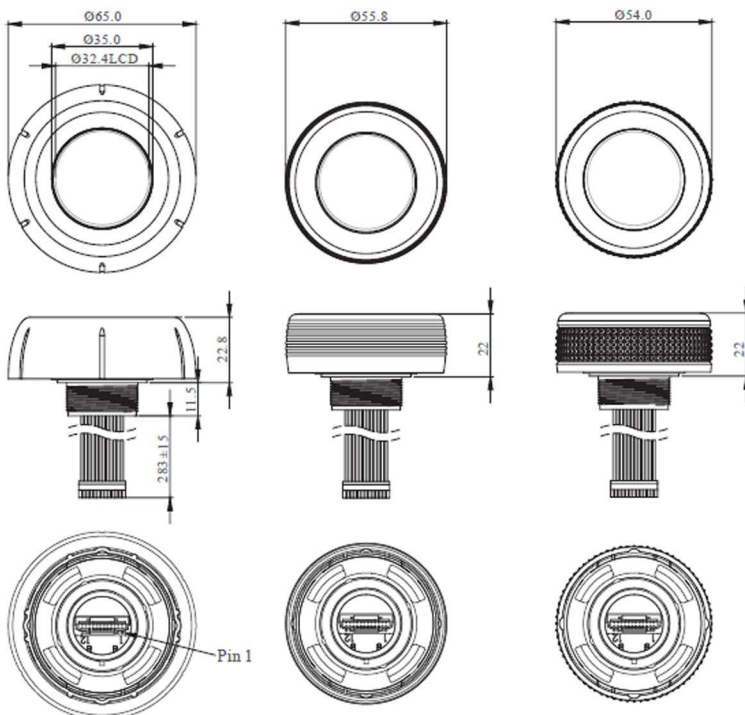
RJS-SDE2-25
Knob type P - Black/ Plastic

Dimensions

/ Knob type : P

/ Knob type : 1

/ Knob type : 2



Cable Available

The RJS-SDE2 series connect to Raspberry Pi, through cable wire.

