ST6 Super Thin

ECE R65 CLASS II
6-LED Warning Lamp

12~24VDC

9mm

Horizontal Mount

Vertical Mount

FEATURES

- World renowned ST6 is now available in ECE R65 Class 2.
- 0.35" (9mm) super low-profile optic with powerful output and performance.
- Available in horizontal and vertical installation that both compliance to the regulations.
- Self-contained; no external flasher required.
- Multi-units synchronization in simultaneous or alternating flash.
- Fully weatherproof and vibration resistant design for external or internal use.
- Solid aluminium housing for efficient heat dissipation and maximum durability.
- Non-volatile memory recalls last flash pattern used at power up.
- Reverse polarity and load dump protection.

SPECIFICATIONS

Compliance: ECE R65 (XA2; XB2; XR2); ECE R10
SAE J595 Class 1; CISPR 25 Class 2; IPX7

LED Element: High-power LED x 6 pcs

No. of Warning Patterns: 29

Operating Voltage: 12~24VDC

Avg. Current: 0.6A @12VDC / 0.3A @24VDC
(varies with flash pattern)

Max. Current: 1.2A @12VDC / 0.6A @24VDC

Avg. Power: 7.2 Watts (varies with flash pattern)

Max. Power: 14.4 Watts

Wires: Red-Vcc: 21cm (20AWG)
Black-GND: 21cm (20AWG)
Yellow-Flash Patterns & Sync: 21cm (20AWG)
White-Low Power: 21cm (20AWG)
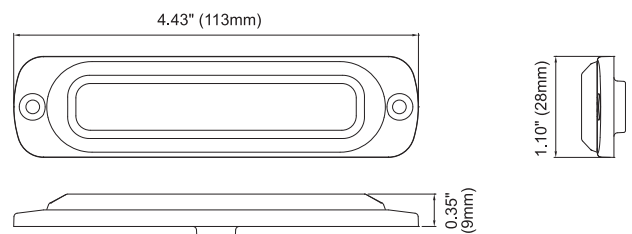
Fuse Rating: 2A

Synchronization: 20 Units

LED Colour: RED, BLUE, AMBER, WHITE

Lens Colour: Clear

Storage Temp. (°C): -40°C to +75°C

Working Temp. (°C): -30°C to +65°C

DIMENSIONS

4.43" (113mm)

1.10" (28mm)

0.35" (9mm)

FLASH PATTERN

	Flash Pattern	
1	Double	[R65]
2	Single	[R65]
3	Triple	[R65]
4	Quad	[R65]
5	Random	
6	Steady	
7	Single	[SAE]
8	Double	[SAE]
9	Triple	[SAE]
10	Quad	[SAE]
11	Quint	[SAE]
12	Mega	
13	Giga	
14	Ultra	[SAE]
15	Single-Quad	
16	Single H/L	
17	Single-Triple-Quint	
18	Half-Steady-Half-Double	(split)
19	Single	(split)
20	Double	(split)
21	Triple	(split)
22	Quad	(split)
23	Quint	(split)
24	Mega	(split)
25	Giga	(split)
26	Ultra	(split)
27	Single-Quad	(split)
28	Single H/L	(split)
29	Single-Triple-Quint	(split)

NOTE: Actual approval will be based on the model ordered.

ECE R65 CLASS 2 WARNING LIGHTHEAD

Wiring

To -Chassis Ground: .... BLACK

For High Power Warning: .... RED
(Fuse Rating @ 2A)
Apply **+VDC** to **RED** wire for High Power operation in
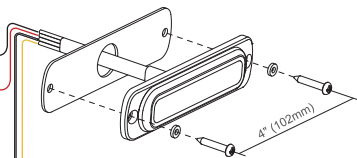ECE R65 Class 2*.

For Low Power Warning: .... WHITE
Apply **+VDC** to WHITE wires while **RED** wire is
activated for Low Power operation in ECE R65 Class 1*.

For Synchronization: .... YELLOW
Connect **YELLOW** wires of all lightheads together for synchronization.
(All lightheads should be set to the same pattern)

*Actual approval will be based on the model purchased.

NOTE: Horizontal mount illustration.

Operation

For Simultaneous or Alternating Synchronization:

1. Apply **+VDC** to **RED** and **YELLOW** wires
    simultaneously to enter grouping mode; lighthead
    will display short (single or double) flashes.
    • Single flash = Group1
    • Double flash = Group2

2. Remove **YELLOW** wire from **+VDC** and momentarily
    apply to **+VDC** to change groups.
    • Lightheads in the same group flash together.
    • Group1 lighteads alternate with Group2 lightheads.

3. Save and exit mode setting by powering
    off the lighthead.

For Flash Pattern Selection:

Momentarily apply **+VDC** to **YELLOW** wire
    • Once for the next pattern.
    • Quick three times to FP#1.
      (see flash pattern chart)

NOTE: This unit may not be factory-set at
    flash pattern #1.

Mounting Orientation:
Orient the lighthead according to the mounting
style purchased.

▼ **Horizontal Mount**   ▼ **Vertical Mount**

Flash Pattern

1	Double	[R65]*	16	Single H/L
2	Single	[2HZ]	17	Single-Triple-Quint
3	Triple	[2HZ]	18	Half-Steady-Half-Double (split)
4	Quad	[2HZ]	19	Single (split)
5	Random		20	Double (split)
6	Steady		21	Triple (split)
7	Single	[SAE/CA13]	22	Quad (split)
8	Double	[SAE]	23	Quint (split)
9	Triple	[SAE]	24	Mega (split)
10	Quad	[SAE]	25	Giga (split)
11	Quint	[SAE]	26	Ultra (split)
12	Mega		27	Single-Quad (split)
13	Giga		28	Single H/L (split)
14	Ultra	[SAE]	29	Single-Triple-Quint (split)
15	Single-Quad			

* Actual approval will be based on the model purchased.