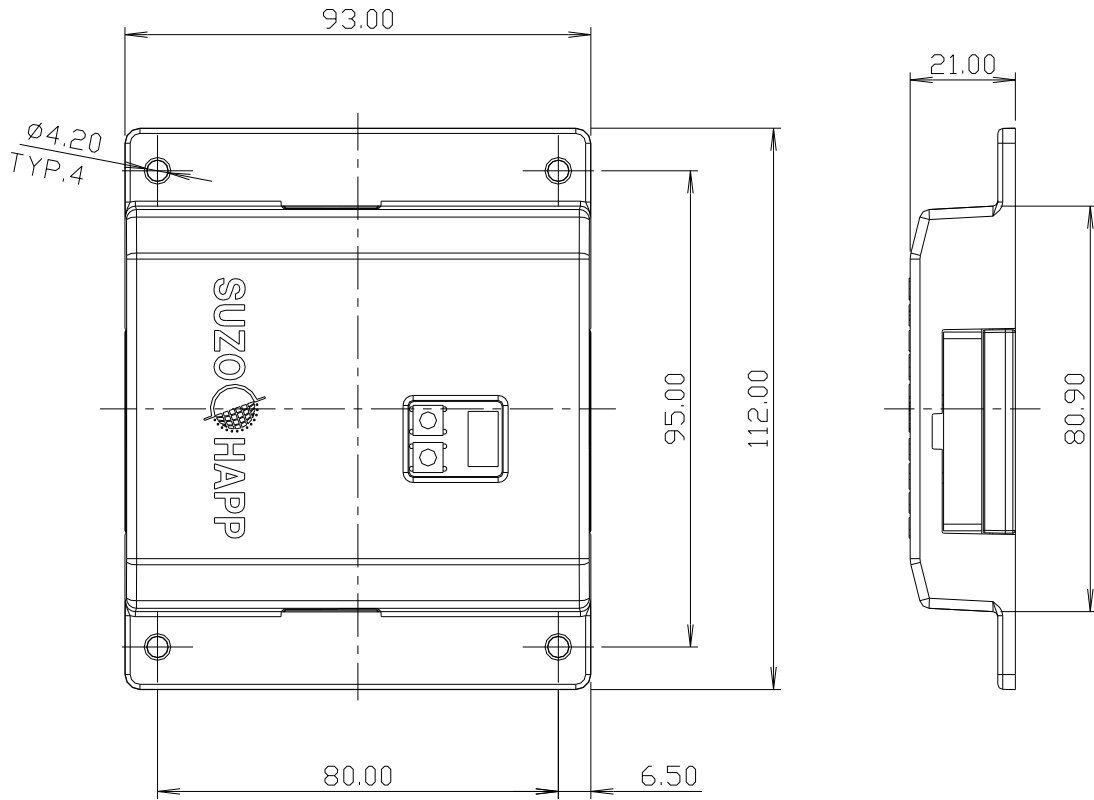# LIGHT STRIP CONTROLLER (20 LEDs)

Order Number: 104-0056

LIGHT STRIP CONTROLLER (20 LEDs)

Warning: In case of removal of the diffuser bezel do not look straight into the LED¡s since this may cause serious eye injuries!

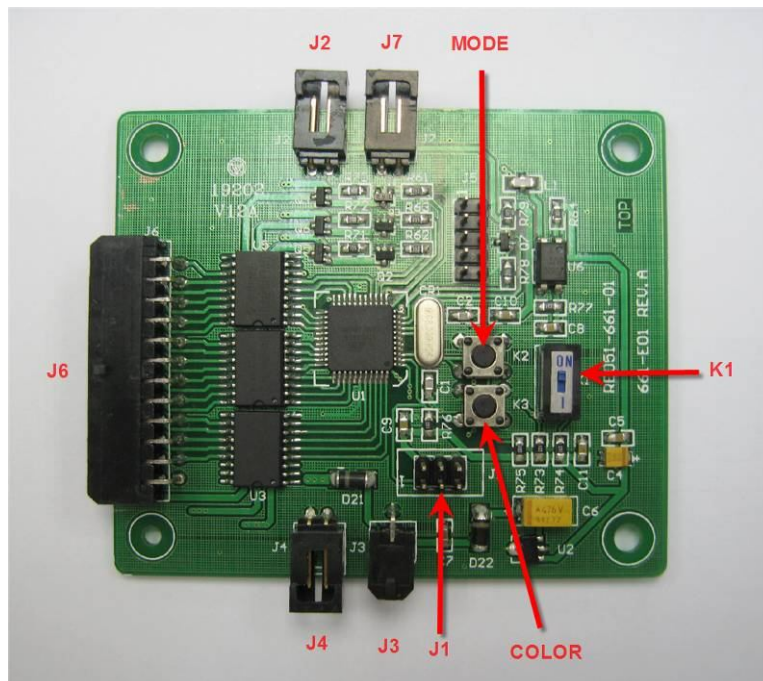# LIGHT STRIP CONTROLLER (20 LEDs)

DIMENSIONAL DRAWING

IMPORTANT:

1. Shut-off power from host machine during installation.
2. Power supply to Topper: 12VDC 3A.
3. For best performance, synchronize cable (J2 / 4) should not be longer than 10M. Extended cable should comply with UL 2464.

LIGHT STRIP CONTROLLER (20 LEDs)

CONNECTOR J1 (MCU PROGRAMMING)

PIN. NO.	1	2	3	4	5	6
FUNCTION	MISO	+5V	SCK	MOSI	RESET	GND

CONNECTOR J2 / J4 (SYNC)

PIN. NO.	1	2
FUNCTION	GND	TXD/RXD

CONNECTOR J3 (POWER IN)

PIN. NO.	1	2
FUNCTION	+12V	GND

CONNECTOR J7 (CONTROL)

PIN. NO.	1	2
FUNCTION	GND	TXD/RXD

CONNECTOR J6 (LIGHT STRIP)

PIN. NO.	1	2	3	4	5	6	7	8	9	10	11	12
FUNCTION	R	G	B	D1	D2	D3	D4	D5	D6	D7	D8	D9
PIN. NO.	13	14	15	16	17	18	19	20	21	22	23	24
FUNCTION	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	-	D20

Features:

LIGHT STRIP CONTROLLER (20 LEDs)

- Setting Color

  You may select flashing color set out of seven pre-defined combinations as below:
  A. Press COLOR button on the main control board once - Topper will switch to next and stay on this color set until COLOR button is activated again.
  B. Last color setting will be stored to memory when power off.
  C. The seven color sets are defined as follow:
  1. Red - Blue - White (Default setting)
  2. Green - White - Red
  3. White - Yellow - Red
  4. Yellow - White - Blue
  5. Blue - Purple - White
  6. Green - Blue - Yellow
  7. Green - Red - Blue

- Setting Flashing Pattern

  You may select flashing patterns as below:
  A. Cycling through 7 pre-programmed flashing patterns (Default setting)
  B. Press MODE button once - Topper will switch to next flashing pattern and stay on this pattern until MODE button is activated again.
  C. Press and hold MODE button for 3 seconds - Topper will resume to default setting and cycle through the pre-programmed patterns.
  D. Last flashing mode will be stored to memory when power off.

- Synchronize Connected in Series

  You may synchronize color and flashing pattern for Light Strip connected in series through standard RS232C COM port as below:
  A. Connect Unit with synchronize cable (J2 / 4) to series link connector as shown on page 3.
  B. Set switch K1 to ON position for the MASTER unit. Others set SWITCH (K1) on OFF position.
  C. Conduct above settings to change color and /or flashing pattern through MASTER unit.

Note: The specifications and information contained here are for quick reference only and are subject to change without notice.   For detail product specification, please refer to formal product documentation.