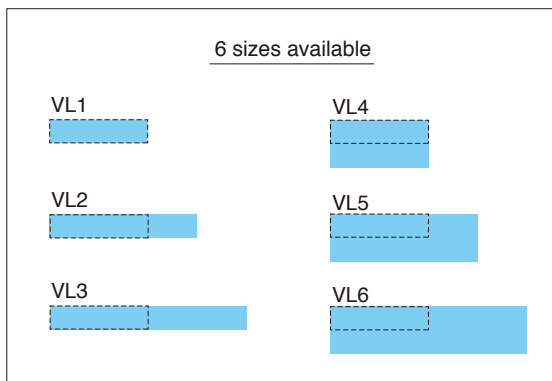
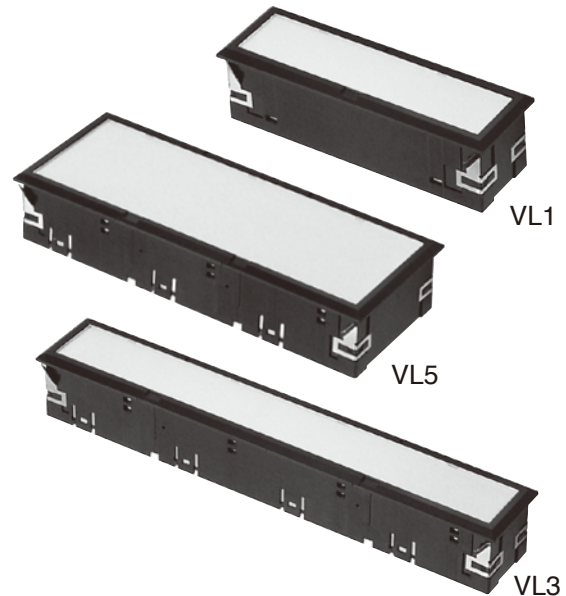


### 6 SIZES AVAILABLE

Select from 6 kinds of face size, according to necessary information.

Available 6 sizes according to number of characters which are desired to indicate.

- **Face size**  
17 × 72mm(VL1=basic size) and other 5 sizes.
- **Depth behind panel**  
20mm(except connector)
- **Terminal**  
Connector Type (Connector appended). Optional wire harness provided.
- **LED color**  
Red, Green, Yellow & Super Blue, Super Green, Super White (Hi bright LED) available.



### SPECIFICATIONS

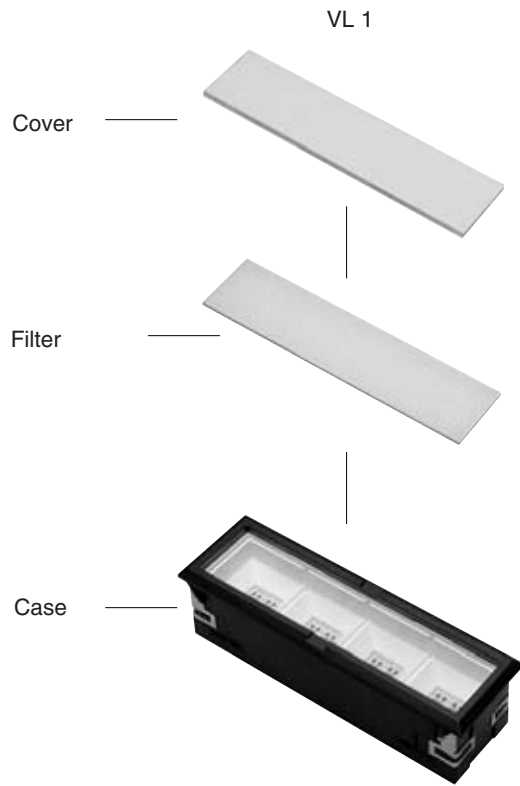
| Item                        | Specifications  | Item                | Specifications |
|-----------------------------|---|---------------------|----------------|
| Insulation Resistance       | More than 100MΩ at 500V DC  | Ambient Temperature | -10°C ~ 40°C   |
| Dielectric Strength         | 1500V AC RMS between terminals and ground (50/60Hz for 60sec. At normal ambient temperature and humidity) | Ambient Humidity    | 45 ~ 85%RH     |
| Reverse Dielectric Strength | 150V  |                     |                |

### LED DATA

t = 25°C


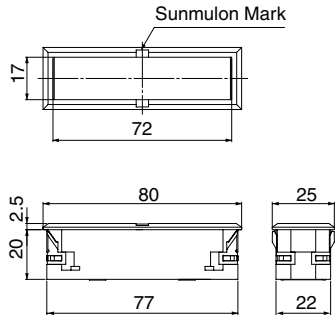

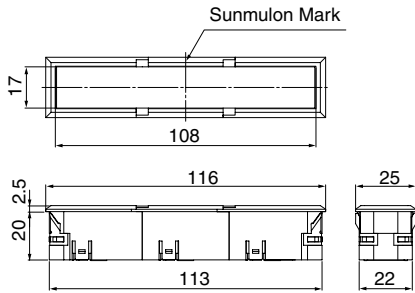
| DC Supply Voltage (V)<br>± 5%   | Current Rating (mA) full-face |                               |       |                               |             |             |
|---------------------------------|-------------------------------|-------------------------------|-------|-------------------------------|-------------|-------------|
|                                 | VL1                           |                               |       |                               |             |             |
|                                 | Red                           | Yellow                        | Green | Super Blue                    | Super Green | Super White |
| DC5V                            | 31                            | 46                            | 57    |                               |             |             |
| DC12V                           | 29                            | 46                            | 54    | 34                            | 18          | 17          |
| DC24V                           | 15                            | 24                            | 28    | 17                            | 9           | 9           |
| VL2 : VL1×1.5times (each color) |                               | VL4 : VL1×2times (each color) |       | VL6 : VL1×4times (each color) |             |             |
| VL3 : VL1×2times (each color)   |                               | VL5 : VL1×3times (each color) |       |                               |             |             |

STRUCTURE



※ Light Cartridge (LED portion) is not removable. (Impossible to replace LED)

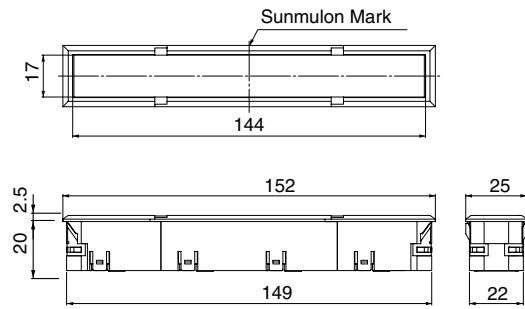
DIMENSIONS

|   |  |
|---|--|
| <p>VL1 (17×72)</p>   |  |
| <p>VL2 (17×108)</p>  |  |

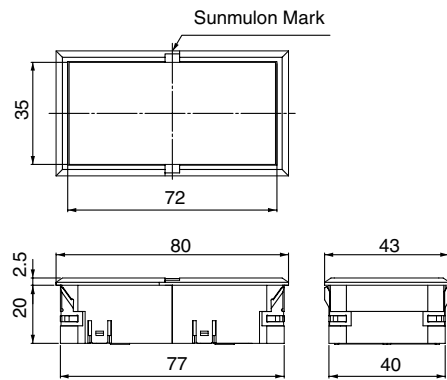
Tolerance : ±0.4mm

## DIMENSIONS

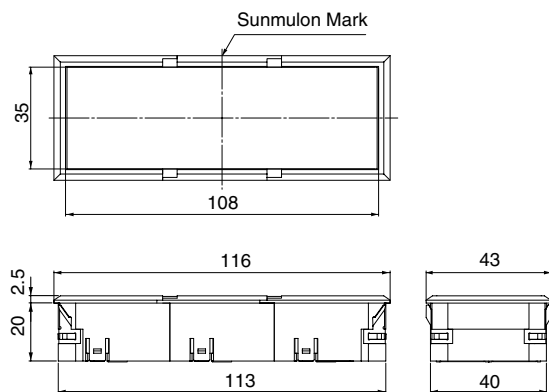
VL3 (17×144)



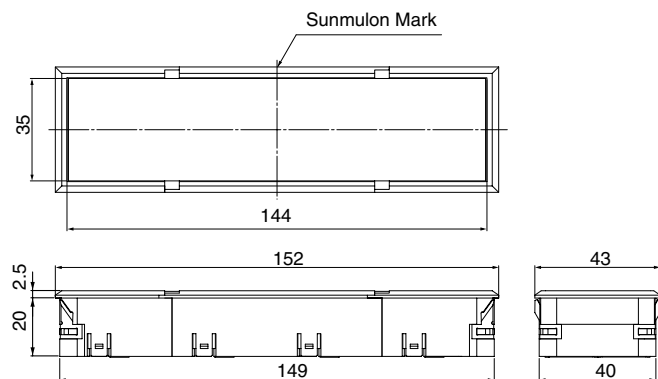
VL4 (35×72)



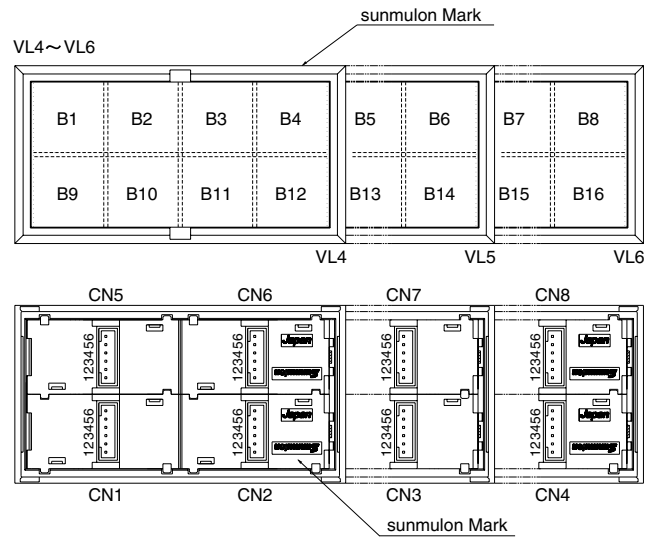
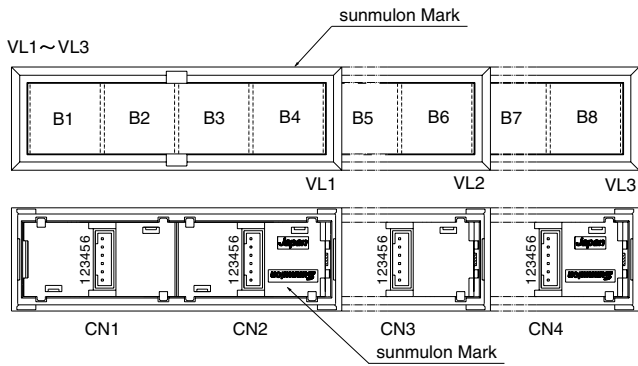
VL5 (35×108)



VL6 (35×144)



## TERMINAL LAYOUT



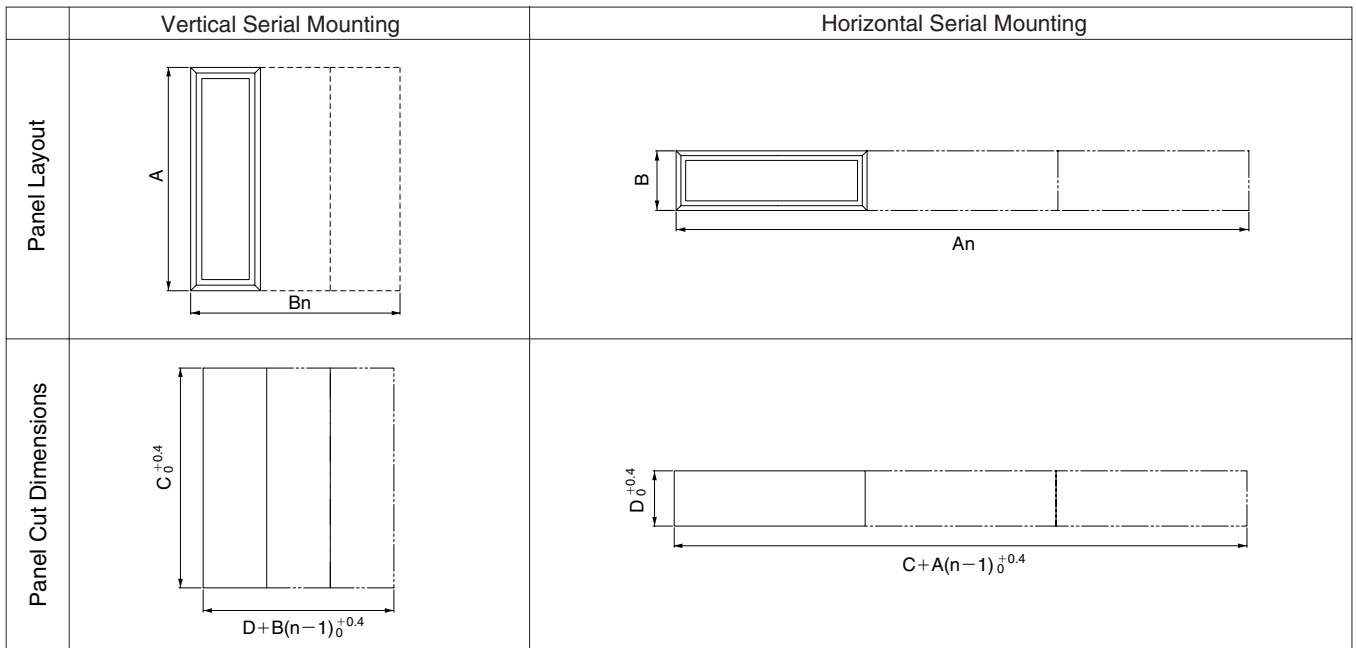
● VL1~VL6 (full-face)

| Terminal No.                   |   | VL1             | VL2             | VL3             |
|--------------------------------|---|-----------------|-----------------|-----------------|
| CN1                            | 1 | COM             | Anode (+)       | Anode (+)       |
|                                | 2 |                 |                 |                 |
|                                | 3 | L1              | Cathode (-)     | Cathode (-)     |
|                                | 4 |                 |                 |                 |
|                                | 5 | L1              | Cathode (-)     | Cathode (-)     |
| 6                              |   |                 |                 |                 |
| usable connector (each 2 pcs.) |   | CN1,CN2(common) | CN1,CN3(common) | CN1,CN4(common) |

| Terminal No.                   |   | VL4                                | VL5                                | VL6                                |
|--------------------------------|---|------------------------------------|------------------------------------|------------------------------------|
| CN5                            | 1 | COM                                | Anode (+)                          | Anode (+)                          |
|                                | 2 |                                    |                                    |                                    |
|                                | 3 | L1                                 | Cathode (-)                        | Cathode (-)                        |
|                                | 4 |                                    |                                    |                                    |
|                                | 5 | L1                                 | Cathode (-)                        | Cathode (-)                        |
| 6                              |   |                                    |                                    |                                    |
| usable connector (each 4 pcs.) |   | CN1,CN2(common)<br>CN5,CN6(common) | CN1,CN3(common)<br>CN5,CN7(common) | CN1,CN4(common)<br>CN5,CN8(common) |

## PANEL LAYOUT/PANEL CUT DIMENSIONS

Panel thickness: 1~4mm



n: number of indicators

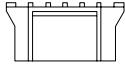
| Dimensions | VL1  | VL2   | VL3   | VL4  | VL5   | VL6   |
|------------|------|-------|-------|------|-------|-------|
| A          | 80   | 116   | 152   | 80   | 116   | 152   |
| B          | 25   | 25    | 25    | 43   | 43    | 43    |
| C          | 77.4 | 113.4 | 149.4 | 77.4 | 113.4 | 149.4 |
| D          | 22.4 | 22.4  | 22.4  | 40.4 | 40.4  | 40.4  |

## ACCESSORIES

● Connector (appended)

Part No | EH-3251

Connector (1Housing & 5 Contact Pins) to be appended.



Housing (JST made PHR-6)



Contact Pin (JST made SPH-002T-P0.5S)

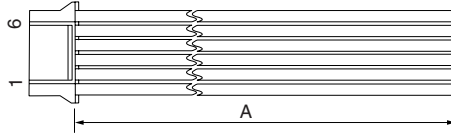
● Cover Removing Tool

Part No | SJ-0002-1



● Wire Harness

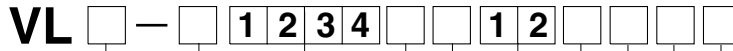
Wire : UL1061, AWG26 equivalent



| A length | Part No   |
|----------|-----------|
| 100cm    | EH-3250-1 |
| 200cm    | EH-3250-2 |

| Pin no.    | 1     | 2   | 3      | 4      | 5     | 6    |
|------------|-------|-----|--------|--------|-------|------|
| Wire Color | Brown | Red | Orange | Yellow | Green | Blue |

## ORDERING CODE



● SIZE

|   |    |     |
|---|----|-----|
| 1 | 17 | 72  |
| 2 | 17 | 108 |
| 3 | 17 | 144 |
| 4 | 35 | 72  |
| 5 | 35 | 108 |
| 6 | 35 | 144 |

● ILLUMINATION

|    |           |
|----|-----------|
| W0 | Full-face |
|----|-----------|

● LED COLOR

|    |             |
|----|-------------|
| 7  | Red         |
| 8  | Green       |
| 9  | Yellow      |
| 14 | Super Blue  |
| 16 | Super White |
| 18 | Super Green |

※3)  
※1)  
※1)  
※1)

● COVER

|   |       |     |
|---|-------|-----|
| C | Clear | ※2) |
|---|-------|-----|

● HOUSING COLOR

|   |       |
|---|-------|
| K | Black |
| H | Grey  |

◆ NOTES

- ※1) Not available for DC5V type.
- ※2) Snap-spring metal plates come out Left/Right direction for Vertical Mounting, and Top/Bottom direction for Horizontal Mounting to avoid interfering mutually in case of serial mounting. Therefore, in case of independent use, it does not matter. (select 1 Horizontal ordinary)
- ※3) "Yellow" color for LED is actually "Orange Yellow".

● MOUNTING

|   |                 |     |
|---|-----------------|-----|
| 1 | For Horiz. Mtg. | ※2) |
| 2 | For Vert. Mtg.  | ※2) |

● SUPPLY VOLTAGE

|   |                       |
|---|-----------------------|
| 1 | Built-in Resistor 5V  |
| 2 | Built-in Resistor 12V |
| 3 | Built-in Resistor 24V |

● LED CIRCUIT

|   |                |
|---|----------------|
| A | Anode Common   |
| K | Cathode Common |

● CONNECTOR

|   |              |
|---|--------------|
| K | Appended     |
| N | Not appended |

● FILTER COLOR

|   |               |
|---|---------------|
| 1 | Red           |
| 2 | Green         |
| 3 | Orange Yellow |
| 4 | Milk White    |
| 6 | Blue          |