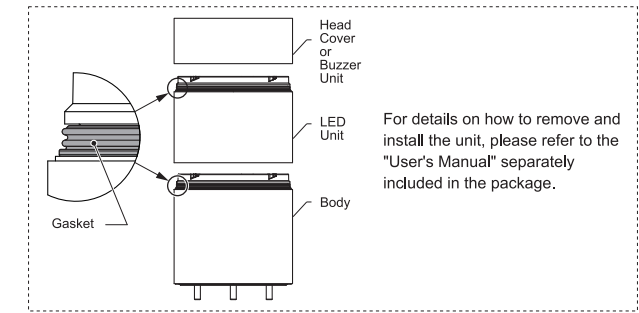
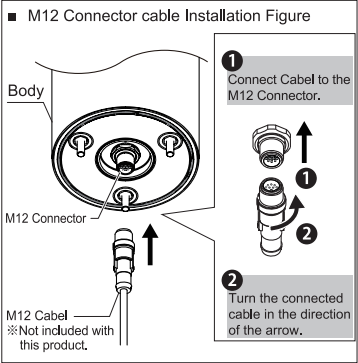
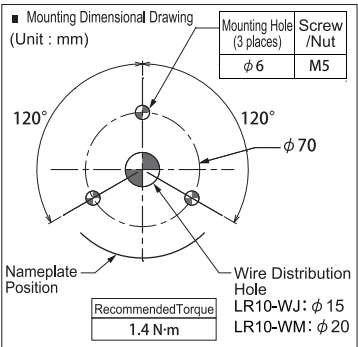
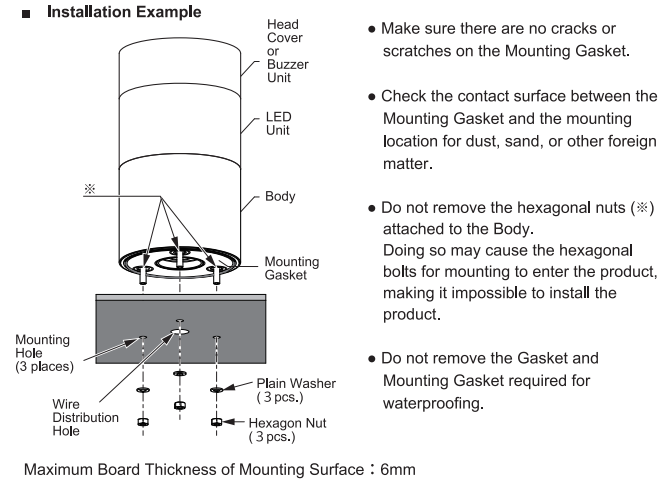


Basic Mounting Instructions

- 1
- Make holes for the mounting and wire-distribution for the product.
(Check the Model and refer to the suitable mounting dimension figure.)
- 2
- Connect to the product through the distribution hole.
- 3
- Secure the product with the nuts.



5 配線方法 / Wiring

警告

●配線およびヒューズの交換をおこなう際は、必ず**非通電状態**にしてください。ショートする恐れがあります。
●**直流・交流および使用電圧**を間違えないようご注意ください。発火する恐れがあります。

注意

●電源線以外の線には**電圧印加**しないでください。故障します。
●電源線 **ON/OFF** による**点滅表示**はおこなわないでください。故障します。
●使用しないリード線は外部接点に接続する必要はありません。その際、接続していないリード線は、必ず、1本ずつ**絶縁処理**してください。
●ショートする恐れがあります。
●リード線を引っ張ったり、本体内部に押し込んだりしないでください。故障します。
●配線は機器から露出しないようにしてください。配線に張力がかかると、配線が外れ、ショートや感電の恐れがあります。

お願い

●同色のLEDユニットを複数使用する場合は、接点容量を[同色LEDユニット数×1段あたりの接点容量]としてください。
(1本の信号線で同色のLEDユニットが点灯するため)
●外部機器保護のために、電源側に必ず**ヒューズ**を組み込んでください。
●配線を延長する場合は、電圧降下を考慮し、**適切な線長・線径**で配線してください。

■ 外部接点容量		Is : 電流容量 Vs : 耐電圧 IL : 漏れ電流 Ta : 周囲温度	
定格電圧		[02] DC 24 V	[M2] AC 100 ~ 240 V
LEDユニット (1段あたり)	推奨接点容量	Is ≧ 10 mA Vs ≧ DC 30 V	Is ≧ 10 mA Vs ≧ DC 30 V
ブザー	推奨接点容量	Is ≧ 10 mA Vs ≧ DC 30 V	Is ≧ 10 mA Vs ≧ DC 30 V
突入電流	電源線	なし	50A/2ms以下(Ta=50℃)(※1)
接点漏れ電流		IL ≦0.1 mA	

※1 … LED5 段・ブザー動作時

■ 推奨ヒューズ	
ヒューズ定格電流	
250 V / 1 A	5×20mm 即断型ガラス管ヒューズ

Warning

●Be sure the **power is disconnected** before wiring and changing fuses. Possible cause of short-circuiting may occur.
●Ensure the **proper working voltage** is used and that **direct current or alternating current** is properly applied.
Possible cause of combustion may occur.

Caution

●Apply **voltage to the power source line** only.
Product failure will occur.
●Do not control the flashing display by switching the power source ON and OFF. Product failure will occur.
●It is not necessary to connect to an external lead for tiers not used. When an extra lead is not connected, it should be **individually insulated** with electrical tape or something similar. Failure to comply will result in damage due to short circuiting.
●Do not **pull** the lead wire or **push it inside** the body. Product failure may occur.
●Do not expose the wiring from the device. If tension is applied to the wiring, the wiring may be disconnected, resulting in a short circuit or an electric shock.

Notice

●When using multiple LED units of the same color, **make the contact capacity equal to the number of same color LED units multiplied** by the contact capacity for 1 tier. (This is because LED units of the same color light up for one signal line.)
●To protect the power supply and other internal circuitry, be sure to install an external fuse.
●If wiring is extended beyond its factory length, a **relevance in the length of the wire and wire gauge** will cause a voltage drop.

■ External Contact Capacity		Is : Current Capacity Vs : Withstand Voltage IL : Leakage Current Ta : Ambient Temperature	
Rated Load Voltage		[02] 24V DC	[M2] 100 - 240V AC
LED Unit (1 Tier)	Recommended Contact Capacity	Is ≧ 10 mA Vs ≧ 30 V DC	Is ≧ 10 mA Vs ≧ 30 V DC
Buzzer	Signal Wire Current (Max.) / Voltage Recommended Contact Capacity	Is ≧ 10 mA Vs ≧ 30 V DC	Is ≧ 10 mA Vs ≧ 30 V DC
Inrush Current	Signal Wire Power Supply Wire	None	50A/2ms or less(Ta=50℃)(※1)
Leakage Current		IL ≦0.1 mA	

※1 … Measured with five LED tiers and buzzer operating.

■ Recommended Fuse	Fuse Ampere Ratings	250 V / 1 A (5x20mm Fast-Acting Glass Body Cartridge Fuse)
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配線例および M12 コネクタピン配置 / Wiring Example and M12 Connector Pin Layout

基本的な配線例を記載しています。特殊なご使用方法の場合において、ご不明な点は配線前に使用説明書の巻末に記載されている技術・修理相談窓口へお問い合わせください。

注：点灯・点滅を併用する場合は、点灯用・点滅用それぞれに外部接点を用意する必要があります。

The following is a basic wiring example. If there are any special applications that require asking questions concerning this product, feel free to contact your PATLITE Sales Representative. Accidental wiring will result in product failure.

Note: When lighting and flashing are used together, it is necessary to prepare an external contact for each lighting or flashing.

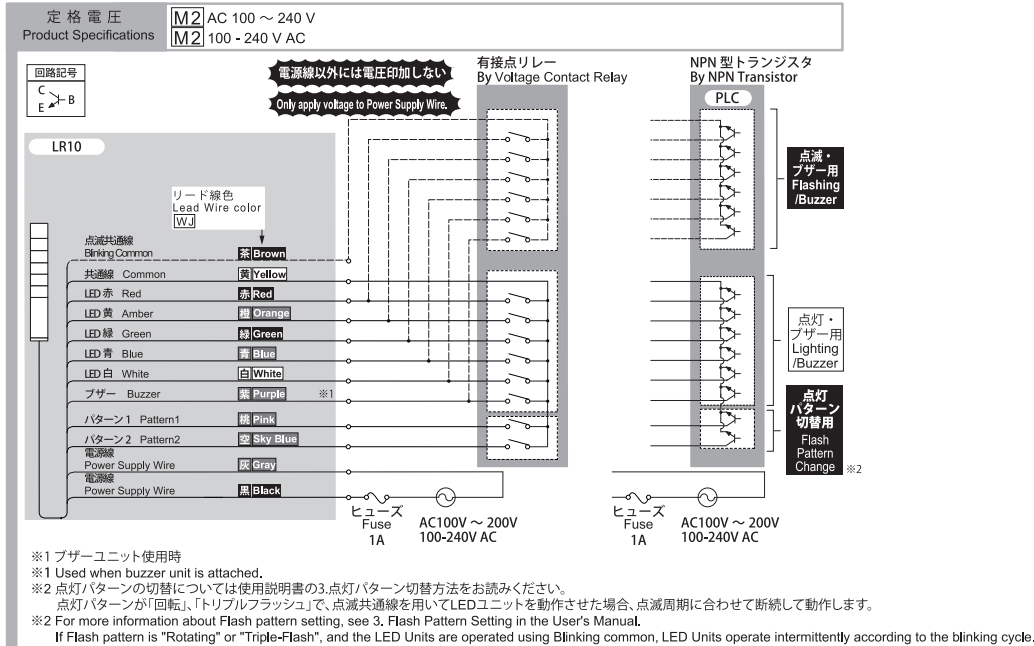
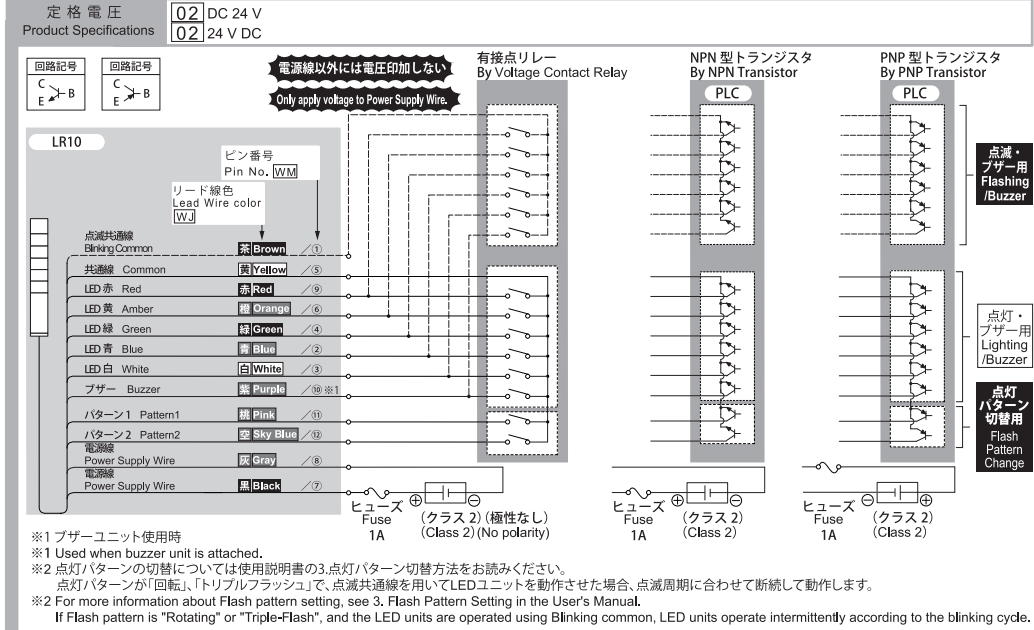
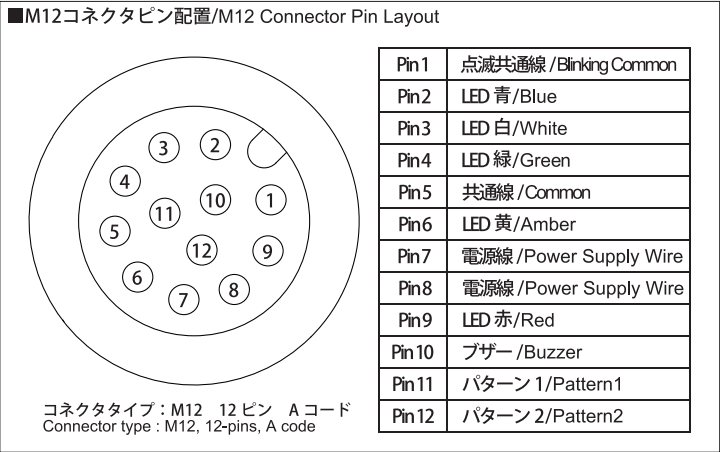
■ 本製品の線種・線径 / Wire Type & Wire Gauge

電源線 (灰・黒) … UL2464 / AWG18

Power Supply Wire (Gray, Black) … UL2464 / AWG18

信号線 (茶・黄・赤・橙・緑・青・白・紫・桃・空) … UL2464 / AWG24

Signal Wire (Brown, Yellow, Red, Orange, Green, Blue, White, Purple, Pink, Sky Blue) … UL2464 / AWG24



6 仕様 /Specifications

- 〈適合規格〉
- UL 508, CSA-C22.2 No. 14 (File No.E215660)
 - CE Marking, UKCA Marking (EN 61000-6-4, EN 61000-6-2, EN IEC 63000) (02仕様)
 - CE Marking, UKCA Marking (EN 61000-6-4, EN 61000-6-2, EN IEC 63000, EN 60947-5-1, EN 62471) (M2仕様)
 - KC (KS C 9610-6-4, KS C 9610-6-2) ●FCC Part 15 Subpart B Class A
 - ICES-003 Class A
 - 安定化電源を使用しない場合はクラスCC以上のヒューズを使用してください。(M2仕様)
- 〈Conformity Standards〉
- UL 508, CSA-C22.2 No. 14 (File No.E215660) ●CE Marking, UKCA Marking (EN 61000-6-4, EN 61000-6-2, EN IEC 63000) (02 Type)
 - CE Marking, UKCA Marking (EN 61000-6-4, EN 61000-6-2, EN IEC 63000, EN 60947-5-1, EN 62471) (M2 Type)
 - KC (KS C 9610-6-4, KS C 9610-6-2) ●FCC Part 15 Subpart B Class A
 - ICES-003 Class A
 - When a regulated power supply is not being used, select a fuse that meets class CC or more. (M2 Type)
 - Conformity requirements for UL508
 - ・Maximum ambient temperature: 50℃
 - ・For use on a flat surface of a Type 1, 4X indoor use only or 13 Enclosure when device is installed as intended.
 - Conformity requirements for IEC/EN 60947-5-1 (M2 Type)
 - ・Rated impulse withstand voltage: 4kV
 - ・Operating ambient temperature: -20℃ to +50℃
 - ・Operating ambient humidity: Less than 90 %RH (No condensation)
 - ・Pollution degree: 2
 - ・IP code: IP66
 - FCC Statement
- This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. The equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. (Responsible party in U.S.A.) PATLITE (U.S.A) Corporation, 20130 S. Western Ave. Torrance, CA90501, U.S.A., <https://www.patlite.com>

This product has been tested and found to comply with the limits for a Class A device. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This product must not be used in residential areas. Dieses Produkt wurde geprüft und hält die Grenzwerte für ein Klasse-A-Gerät gemäß. Diese Grenzwerte sind so ausgelegt, einen angemessenen Schutz gegen schädliche Störungen zu gewährleisten, wenn das Produkt in einer geschäftlichen Umgebung verwendet wird. Dieses Produkt darf nicht in Wohngebieten verwendet werden. Cet appareil a été testé et jugé conforme aux limites définies pour les appareils de classe A. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles lorsque l'équipement est utilisé dans un environnement commercial. Ce produit ne doit pas être utilisé dans une zone résidentielle. Questo prodotto è stato testato ed è risultato conforme ai limiti per un apparecchio di Classe A. Questi limiti sono progettati per fornire una protezione ragionevole contro interferenze dannose quando l'apparecchiatura viene utilizzata in un ambiente commerciale. Questo prodotto non deve essere usato in aree residenziali. Este producto ha sido sometido a pruebas y se ha determinado que cumple con los límites para un dispositivo de clase A. Estos límites están diseñados para proporcionar una protección razonable contra interferencias perjudiciales cuando el equipo se opera en un entorno comercial. Este producto no debe ser utilizado en áreas residenciales.

- 本書に記載している図や写真は、実際の製品とは一部異なる場合があります。
- 本製品の寸法および仕様、構造などは、改善のため予告なく変更することがあります。
- The images in this manual may vary in comparison to the actual product and are only for the purpose of illustration.
- Specifications may change without notice due to continual product improvement.