


OLP40



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ES		<p>Para acceder a las publicaciones sobre este producto escanee el código de barras o visite www.renishaw.es/olp40.</p>	
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CS		<p>Publikace pro tento produkt jsou k dispozici po naskenování QR kódu nebo na stránce www.renishaw.cz/olp40.</p>	
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中文 (繁體)		<p>可透過下列方式獲得此產品的出版物 透過掃描條碼，或造訪 www.renishaw.com.tw/olp40。</p>	
中文 (简体)		<p>可通过以下方式获得此产品的相关文档： 扫描二维码，或访问 www.renishaw.com.cn/olp40。</p>	
한국어		<p>본 제품에 대한 간행물은 바코드를 스캔하거나 다음을 방문하여 확인하실 수 있습니다 www.renishaw.co.kr/olp40.</p>	

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Batteries	½ AA (3.6 V) lithium-thionyl chloride × 2			
	<p>✓</p> <p>Saft LS 14250</p> <p>Tadiran SL-750</p> <p>Xeno XL-050F</p>	<p>✗</p> <p>Dubilier SB-AA02</p> <p>Maxell ER3S</p> <p>Sanyo CR 14250 SE</p> <p>Tadiran SL-350, SL-550, TL-4902, TL-5902, TL-2150, TL-5101</p> <p>Varta CR ½ AA</p>		

Fitting the stylus

1



2

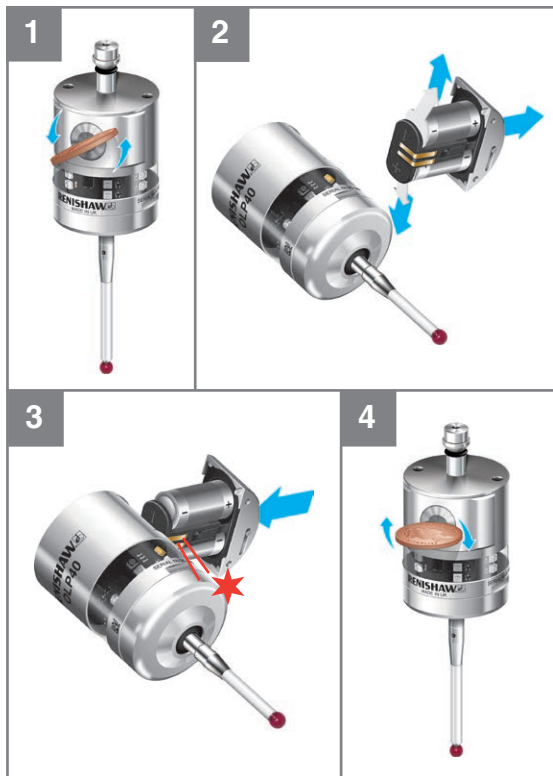


M-5000-3707

CAUTION

Remove the battery isolation device from the battery compartment before use.

★ Take care not to short the battery contacts as this may be a fire hazard. Ensure the contact strips are located securely.



EN

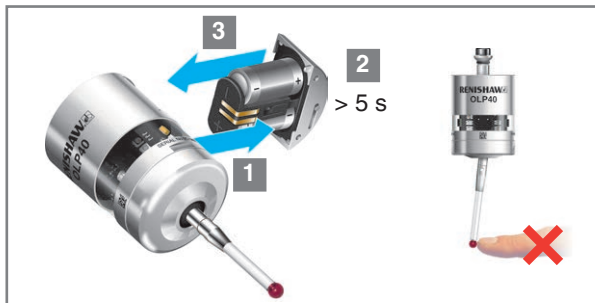
Configuring the probe



The following sections describe the process of reviewing and configuring the probe settings. The Trigger Logic™ app simplifies this process with clear, interactive instructions and informative videos.

















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Reviewing the probe settings



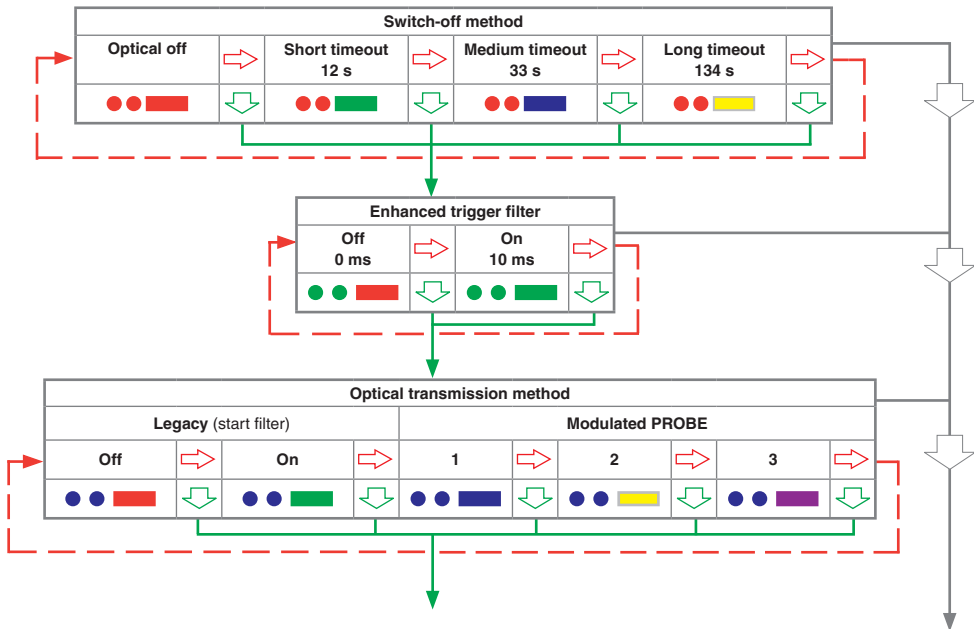
Key to the symbols	
	LED short flash
	LED long flash

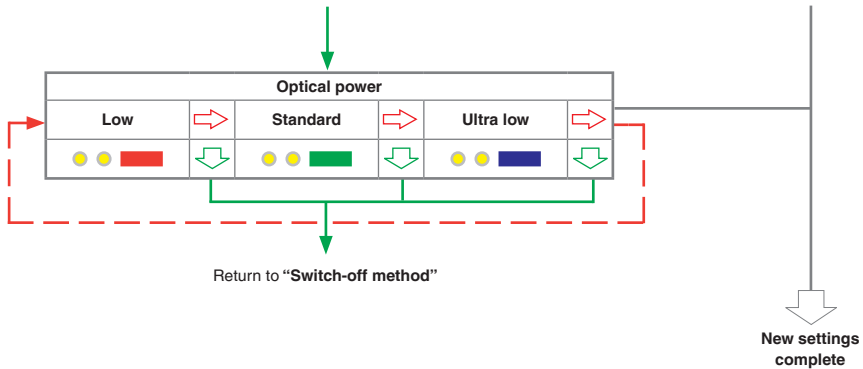
LED check
  

Switch-off method						
Optical off	or	Short timeout 12 s	or	Medium timeout 33 s	or	Long timeout 134 s
  		  		  		  

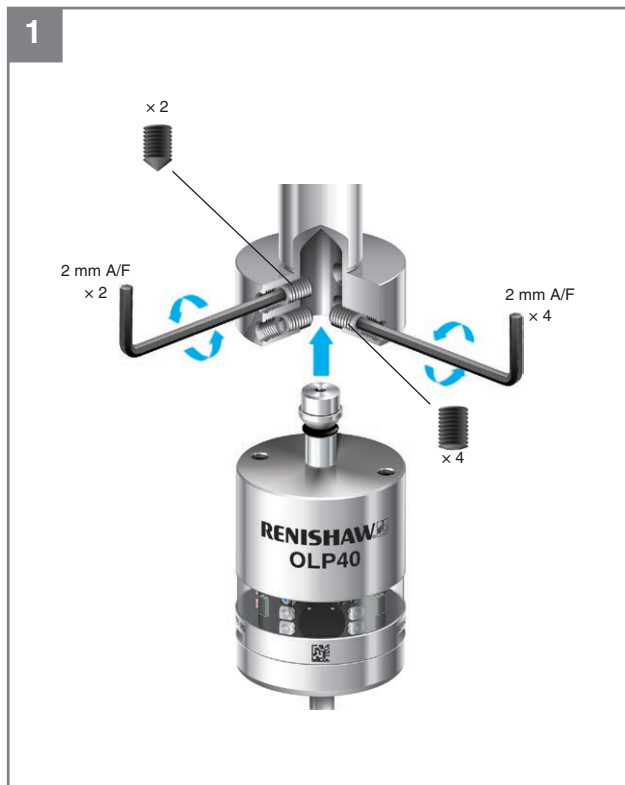
Enhanced trigger filter setting		
Off 0 ms	or	On 10 ms
  		  

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Mounting the probe on a shank

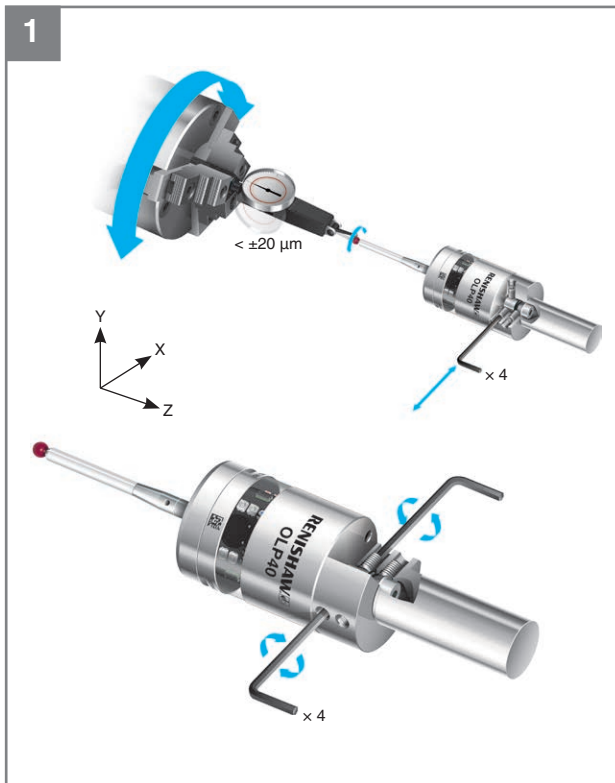


2



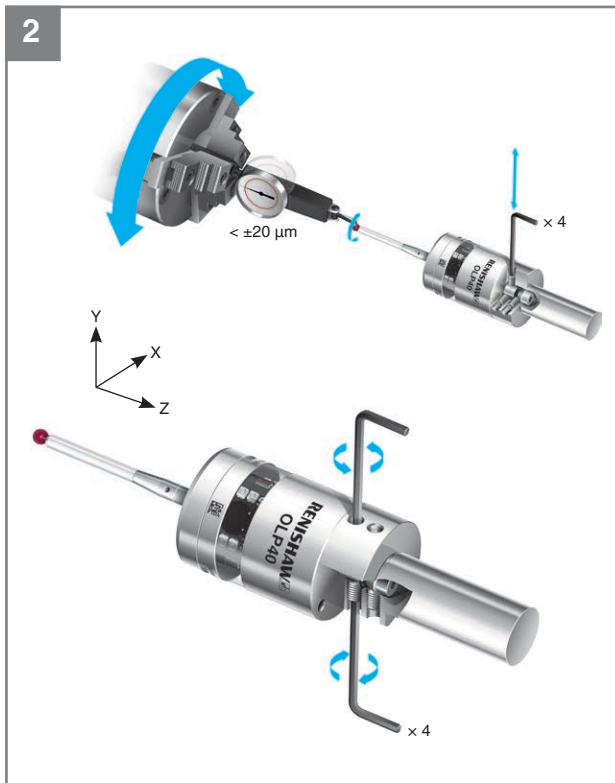
Stylus on-centre adjustment

Adjust in X axis.

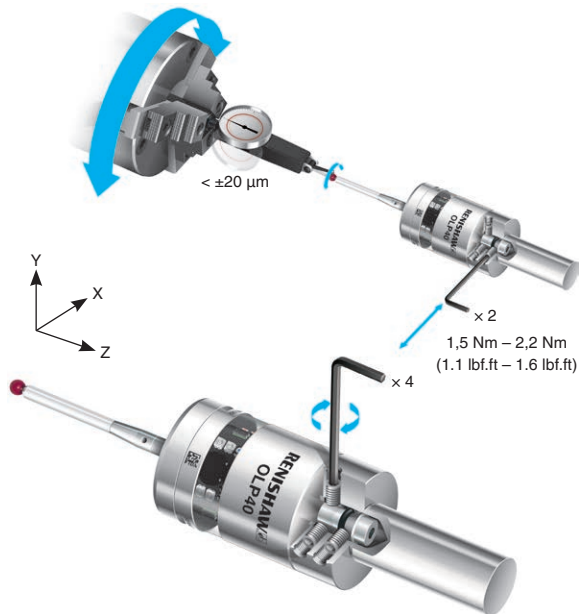


Stylus on-centre adjustment

Adjust in Y axis.



3



Cleaning

Use a clean cloth.



OMM-2 visual diagnostics

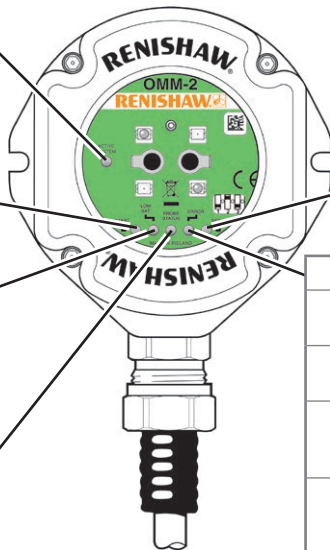
ACTIVE SYSTEM LED	
●	Probe 1
●	Probe 2
●	Probe 3

NOTE: The appearance of your OMM-2 may differ slightly from that shown.

START LED	
●	Start

LOW BATTERY LED	
●	Battery low
● ● ●	Overload error

PROBE STATUS LED	
●	Probe seated
●	Probe triggered
● ● ●	Overload error



SIGNAL LED	
●	Signal good
●	Interference or weak signal
●	No signal

ERROR LED	
●	Signal from probe has either failed or stopped
●	A second modulated signal has been received
●	Interference or a weak probe signal has been received
●	Interference or a weak probe signal has caused the trigger instant to be delayed
●	Invalid start signal
● ● ●	Overload error

OMI-2 / OMI-2T / OMI-2H visual diagnostics

PROBE 1	
●	OMI-2T / OMI-2H only

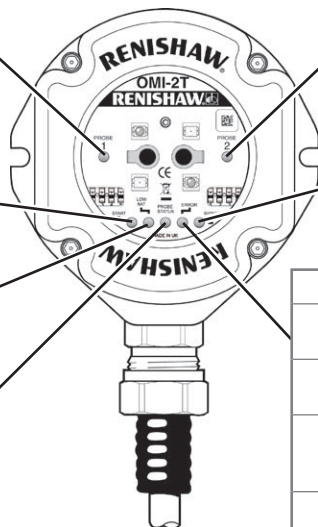
NOTE: The appearance of your OMI-2 / OMI-2T / OMI-2H may differ slightly from that shown.

PROBE 2	
●	OMI-2T / OMI-2H only

START LED	
●	Start

LOW BATTERY LED	
●	Battery low
● ● ●	Overload error

PROBE STATUS LED	
●	Probe seated
●	Probe triggered
● ● ●	Overload error



SIGNAL LED	
●	Signal good
●	Interference or weak signal
●	No signal

ERROR LED	
●	Signal from probe has either failed or stopped
●	A second modulated signal has been received
●	Interference or a weak probe signal has been received
●	Interference or a weak probe signal has caused the trigger instant to be delayed
● ● ●	Overload error

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Warranty

Equipment requiring attention under warranty must be returned to your equipment supplier.

Unless otherwise specifically agreed in writing between you and Renishaw, if you purchased the equipment from a Renishaw company, the warranty provisions contained in Renishaw's CONDITIONS OF SALE apply. You should consult these conditions in order to find out the details of your warranty but, in summary, the main exclusions from the warranty are if the equipment has been:

- neglected, mishandled or inappropriately used; or
- modified or altered in any way except with the prior written agreement of Renishaw.

If you purchased the equipment from any other supplier, you should contact them to find out what repairs are covered by their warranty.

China RoHS

For more information on China RoHS visit:
www.renishaw.com/mtpchinaroHS.

EU declaration of conformity



Renishaw plc declares under its sole responsibility that the OLP40 is in conformity with all relevant Union legislation.

The full text of the EU declaration of conformity is available at: www.renishaw.com/mtpdoc

WEEE directive



The use of this symbol on Renishaw products and/or accompanying documentation indicates that the product should not be mixed with general household waste upon disposal. It is the responsibility of the end user to dispose of this product at a designated collection point for waste electrical and electronic equipment (WEEE) to enable reuse or recycling. Correct disposal of this product will help to save valuable resources and prevent potential negative effects on the environment. For more information, please contact your local waste disposal service or Renishaw distributor.

REACH regulation

Information required by Article 33(1) of Regulation (EC) No. 1907/2006 ("REACH") relating to products containing substances of very high concern (SVHCs) is available at: www.renishaw.com/REACH

FCC Information to user (USA only)

47 CFR Section 15.19

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

47 CFR Section 15.21

The user is cautioned that any changes or modifications not expressly approved by Renishaw plc or authorised representative could void the user's authority to operate the equipment.

47 CFR Section 15.105

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. This 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.

Safety

Information to the user

The OLP40 is supplied with two non-rechargeable 1/2AA lithium-thionyl chloride batteries: Refer to the *OLP40 optical lathe probe* installation guide (Renishaw part no. H-5625-8504). Lithium batteries must be approved to BS EN 62133:2013 (IEC 62133:2012). Once the charge in the batteries is depleted, do not attempt to recharge them.



The use of this symbol on the batteries, packaging or accompanying documents indicates that used batteries should not be mixed with general household waste. Dispose of the used batteries at a designated collection point. This will prevent potential negative effects on the environment and human health which could otherwise arise from inappropriate waste handling. Contact your local authority or waste disposal service concerning the separate collection and disposal of batteries. All lithium and rechargeable batteries must be fully discharged or protected from short circuiting prior to disposal.

Ensure replacement batteries are of the correct type and are fitted in accordance with the instructions in the installation guide; refer to the *OLP40 optical lathe probe* installation guide (Renishaw part no. H-5625-8504) for further information. For specific battery operating, safety and disposal guidelines, refer to the battery manufacturer's literature.

- Ensure that all batteries are always inserted with the correct polarity.
- Do not store batteries in direct sunlight or rain.
- Do not expose to heat or dispose of the batteries in a fire.

- Avoid forced discharge of the battery.
- Do not short-circuit the batteries.
- Do not disassemble, pierce, deform or apply excessive pressure to the batteries.
- Do not swallow the batteries.
- Keep the batteries out of the reach of children.
- Do not allow batteries to get wet.
- Do not mix new and used batteries or battery types, as this will result in reduced life and damage to the batteries.
- If a battery is damaged, exercise caution when handling to avoid contact with electrolyte.

Ensure that you comply with international and national battery transport regulations when transporting batteries or the products.

NOTE: Lithium batteries are classified as dangerous goods and strict controls apply to their shipment by air. To reduce the risk of shipment delays, if you need to return the OLP40 to Renishaw for any reason, do not return any batteries.

In all applications involving the use of machine tools, eye protection is recommended.

The OLP40 has a glass window. Handle with care if broken to avoid injury.

Information to the machine supplier/installer

It is the machine supplier's responsibility to ensure that the user is made aware of any hazards involved during operation, including those mentioned in Renishaw product literature, and to ensure that adequate guards and safety interlocks are provided.

Under certain circumstances, the probe signal may falsely indicate a probe seated condition. Do not rely on probe signals to halt the movement of the machine.

Information to the equipment installer

All Renishaw equipment is designed to comply with the relevant EU and FCC regulatory requirements. It is the responsibility of the equipment installer to ensure that the following guidelines are adhered to, in order for the product to function in accordance with these regulations:

- any interface **MUST** be installed in a position away from any potential sources of electrical noise, i.e. power transformers, servo drives etc;
- all 0 V/ground connections should be connected to the machine "star point" (the "star point" is a single point return for all equipment ground and screen cables). This is very important and failure to adhere to this can cause a potential difference between grounds;

- all screens must be connected as outlined in the user instructions;
- cables must not be routed alongside high current sources, i.e. motor power supply cables etc, or be near high-speed data lines;
- cable lengths should always be kept to a minimum.

Equipment operation

If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

Optical safety

This product contains LEDs that emit both visible and invisible light.

The OLP40 is ranked Risk Group: Exempt (safe by design).

The product was evaluated and classified using the following standard:

BS EN 62471:2008 (IEC 62471:2006)	The photobiological safety of lamps and lamp systems.
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Renishaw recommends that you do not stare at or look directly into any LED device, irrespective of its risk classification.

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安全须知

用户须知

OLP40配有两节非充电型 $\frac{1}{2}$ AA锂亚硫酰氯电池（符合BS EN 62133:2013 [IEC 62133:2012] 标准）。电池电量耗尽之后，请勿尝试给电池充电。



在电池、包装或随附文档上使用本符号，表示废旧电池不可与普通生活垃圾混合。请在指定的收集点处置废旧电池。这样可以防止由于废品处理不当对环境 and 人类健康造成的潜在不良影响。请联系当地相关部门或废品处置服务商，了解电池的单独回收与处置规定。在处置前，必须使所有的锂电池和充电电池完全放电或采取防短路措施。

请确保备用电池型号正确，并按照本手册中的说明和产品上所示进行安装。（雷尼绍文档编号H-5625-8512），了解更多信息。有关具体的电池作业、安全和处置指导原则，请参阅电池制造商的资料。

- 确保所有安装的电池正负极方向正确。
- 请勿将电池存放在阳光直射或淋雨的地方。

- 请勿将电池加热或弃入火中处置。
- 避免将电池强制放电。
- 请勿使电池短路或强制放电。
- 请勿对电池进行拆解、穿透、施加过度压力，或使其变形。
- 请勿吞咽电池。
- 请将电池放在儿童无法接触的地方。
- 请将电池放在儿童无法接触的地方。
- 不要将新旧电池或不同的电池类型混用，因为这会缩短电池寿命并损坏电池。
- 在运输电池或本产品时，请确保符合国际和国家电池运输条例。

在运输电池或本产品时，请确保符合国际和国家电池运输条例。

注： 锂电池被定义为危险品，空运有严格的控制。为了减少运输延期的风险，无论出于何种原因，若您需要将产品返回OLP40雷尼绍，请勿包含任何电池。

在所有涉及使用机床的应用中，建议采取保护眼睛的措施。

OLP40有一个玻璃窗口。如果玻璃破碎，请务必小心，以免受伤。

机床供应商/安装商须知

机床制造商有责任确保用户了解操作中存在的任何危险，包括雷尼绍产品说明书中所述的危险，并确保提供充分的防护装置和安全联动装置。

在某些情况下，测头信号可能错误指示测头已复位状态。切勿单凭测头信号来停止机床运动。

设备安装商须知

雷尼绍所有设备的设计均符合相关的EU和FCC监管要求。为使产品按照这些规定工作，设备安装商有责任保证遵守以下指导原则：

- 任何接口的安装位置**必须**远离任何潜在的电噪声源，如变压器、伺服系统驱动装置等；
- 所有0伏/接地连接都应当连接到机床接地终端上（“接地终端”是所有设备地线和屏蔽电缆的单点回路）。这一点非常重要，不遵守此规定会造成接地之间存在电位差；
- 所有屏蔽装置都必须按使用说明书中所述进行连接；
- 电缆线路不得与电机电源电缆等高电流源并行或靠近高速数据传输线；
- 电缆长度应始终保持最短。

设备操作

如果设备使用方式与制造商要求的方式不符，设备提供的保护功能可能会减弱。

光学安全性

本产品所含的LED指示灯可同时发出可见光和不可见光。

产品名称所处的光辐射风险等级为豁免级：豁免级（设计安全）。

本产品使用下列标准进行评估和分类：

BS EN 62471:2008 照明 和照明系统的光生物安全性。
(IEC 62471:2006)

无论其风险等级如何，雷尼绍建议您切勿直视任何LED指示灯装置。

Patents

Features of OLP40 and features of similar products are the subject of one or more of the following patents and/or patent applications:

EP 1130557	JP 3967592
EP 1185838	JP 4754427
EP 1373995	JP 4773677
EP 1477767	JP 4851488
EP 1477768	US 6472981
EP 1701234	US 6776344
EP 1734426	US 6860026
EP 1988439	US 7145468
	US 7441707
	US 7486195
	US 7812736

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