

ProGuard+™

用于保护 Graco 电动设备免受压力波动的损坏。

型号 24W090、24W755

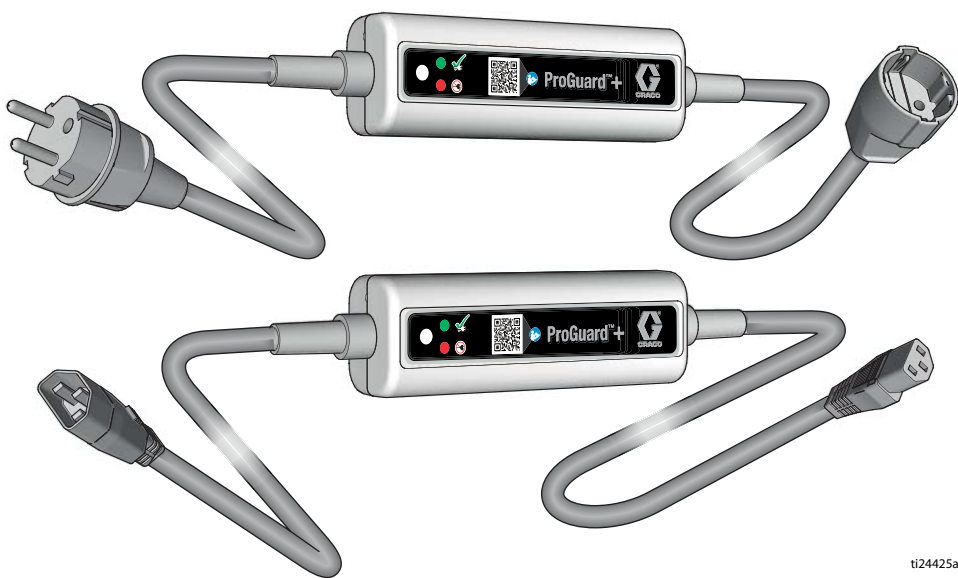
24W755, 230V IEC-320

24W090, 230V CEE 7/7 (Shuko)



重要安全说明

请阅读本手册中的所有警告和说明。
熟悉设备的控制装置和正确使用。
请妥善保存这些说明。



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专利正在审理中



警告

以下为本设备的设置、使用、接地、维护及修理的警告。惊叹号标志表示一般性警告，而各种危险标志则表示与特定操作过程有关的危险。当本手册正文中或警告标记上出现这些符号时，请回头查阅这些警告。若产品特定的危险标志和警告未出现在本节内，则可能出现在本手册的其他章节。

警告



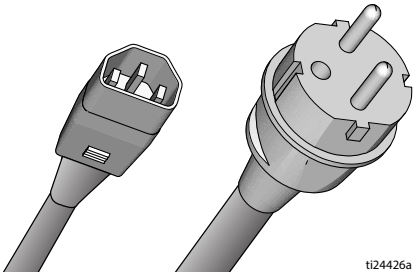
接地

该产品必须接地。在发生电路短路的情况下，接地可为电流提供泄放通道并降低电击危险。



本产品配有一条装有正确的接地插头接地线的电线。必须将该插头插入按照当地规定和要求正确安装并接地的电源插座上。

- 接地插头安装不当会导致遭受电击的危险。
- 如果您对接地说明不十分理解，或不知道该产品是否已正确接地，请与一位合格的电工或维修人员联系。
- 不要改造所提供的插头，如果无法将其插入电源插座内，让一位合格的电工安装一个好的电源插座。
- 请勿更换此种设备的电线；如果电线受损，则应正确处理设备。
- 此产品在标称电压为 230 伏的电路上使用，其接地插头与图中所示的插头类似。
- 只能将本产品连接至与该插头具有相同构型的电源插座中。
- 此产品不得配用转接器。



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警告



设备误用危险

误用设备会导致严重的人员伤亡。

- 在使用设备之前，务必确保设备的总用电负载不会超过设备最大额定值。
- 不要对设备进行改动或修改。改动或修改会导致机构认证失效并带来安全隐患。



电击危险




该设备必须接地。系统接地不当，设置不正确或使用不当都可导致电击。



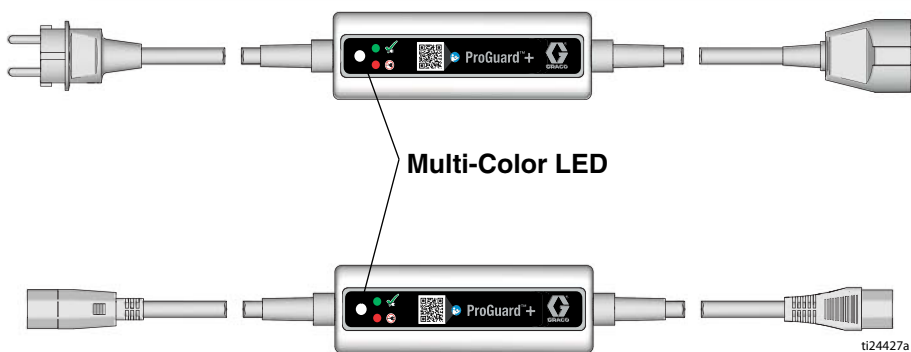
- 进行设备维修之前，要关闭电源并切断电源线的连接。
- 只能连接至已接地的电源插座。
- 只能使用三芯加长电线。
- 确保电源及加长电线上的接地插脚完好无损。
- 请勿使其淋雨或受潮。要存放在室内。

说明






ProGuard+ 是一种电动保护设备，可监测 Graco 电动设备的供电电压。如果电压波动过大（过高或过低），则 ProGuard+ 会断开设备电源，以减小设备受损的风险。当接入合格的电源后，ProGuard+ 在一分钟的延迟之后自动复位。

电源线带有接地导线和适当的接地触脚。如果电线的接地触脚已损坏，请不要使用 ProGuard+。必须将该电线插入按照当地规定和要求正确安装并接地的电源插座上。



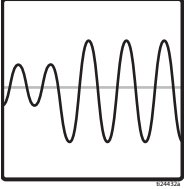
ProGuard+ 操作通过多彩 LED 灯进行指示。

	LED 指示灯	定义
		LED 灯点亮 当 LED 灯稳定显示绿色时，表示 ProGuard+ 通电且正常工作。
		LED 灯闪烁 当 LED 灯闪烁红色时，表示供电电压太低或太高，设备在接入合适的电源之前不会工作。
		LED 熄灭 ProGuard+ 未通电。

当 LED 灯闪烁红色时，ProGuard+ 感测到高压或低压情况，然后断开设备电源。

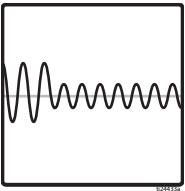
- 至少等待两分钟，查看是否恢复为可以接受的电源，以及 LED 灯是否变绿。
- 如果 LED 灯一直闪烁红色，则寻找合适的电源进行替换。

高压



其原因通常是 ProGuard+ 接入了一个高于设备额定电压的电源。寻找一个可以输出正确电压的电源。

低压



其原因通常是相同电路中含有其他设备；或利用发电机电力进行工作，而发电机则根据负载情况开启和关闭。确保发电机正确工作且其型号适合设备。

寻找设备专用电源。

如果采用延长线，则务必确保电线为 12 AWG (最小为 2.5 毫米²) 3 股线。

尺寸过小 (线规值较高) 的电线会导致设备线路电压下降。

技术规范

ProGuard+	
标称电压	230 伏交流电, 50/60 赫兹
电流额定值	10 安
断开高压	280 伏交流电
断开低压	170 伏交流电
复位时间	60 秒
重量	400 克 (0.9 磅)
尺寸	150 x 50 x 45 毫米 (6.0 x 2.0 x 1.75 英寸)
工作温度范围	-34° 至 46°C (-30° 至 115°F)
插头配置	
24W755	
电源输入 (来自电源)	IEC-320-C14
电源输出 (至设备)	IEC-320-C13
24W090	
电源输入 (来自电源)	CEE 7/7 插头
电源输出 (至设备)	CEE 7/7 插座

可免费提供各种危险和警告的标牌、标签及卡片更换件。

Graco Standard Warranty

Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

GRACO MAKES NO WARRANTY, AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN CONNECTION WITH ACCESSORIES, EQUIPMENT, MATERIALS OR COMPONENTS SOLD BUT NOT MANUFACTURED BY GRACO. These items sold, but not manufactured by Graco (such as electric motors, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

In no event will Graco be liable for indirect, incidental, special or consequential damages resulting from Graco supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of Graco, or otherwise.

Graco Information

For the latest information about Graco products, visit www.graco.com.

For patent information, see www.graco.com/patents.

TO PLACE AN ORDER, contact your Graco distributor or call 1-800-690-2894 to identify the nearest distributor.

All written and visual data contained in this document reflects the latest product information available at the time of publication.

Graco reserves the right to make changes at any time without notice.

技术手册原文翻译。This manual contains Chinese. MM 334371

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