




RENISHAW RMI-QE Radio Machine Probe User Guide

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RENISHAW RMI-QE Radio Machine Probe



Safety

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.

If the probe fails, 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

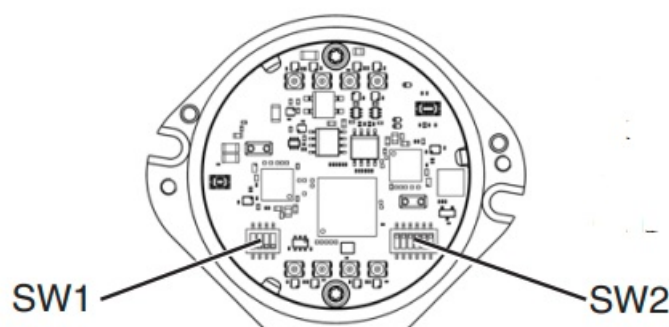
All Renishaw equipment is designed to comply with the relevant EU and FCC regulatory requirements. It is the responsibility of the equipment installer to ensure that the following guidelines are adhered to, in order for the product to function in accordance with these regulations:

- Any interface **MUST** be installed in a position away from any potential sources of electrical noise (for example, power transformers, servo drives).
- 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
- Cables must not be routed alongside high current sources (for example, motor power supply cables), or be near high-speed data lines.
- Cable lengths should always be kept to a

Equipment operation

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

Switch settings SW1 and SW2



Factory settings shown are for:

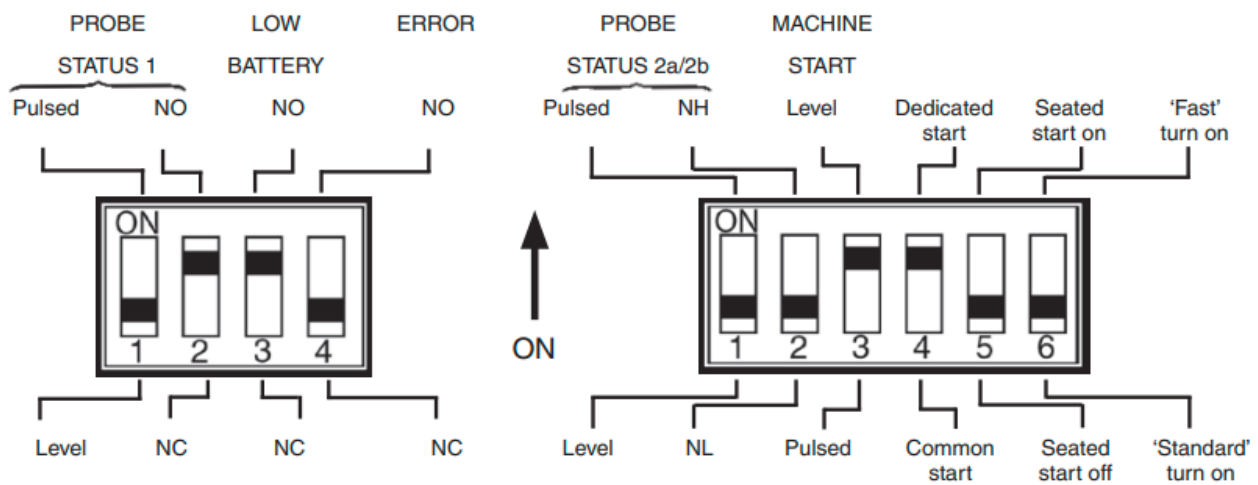
- A-6551-0049
- A-6551-0050

Abbreviations are as follows:

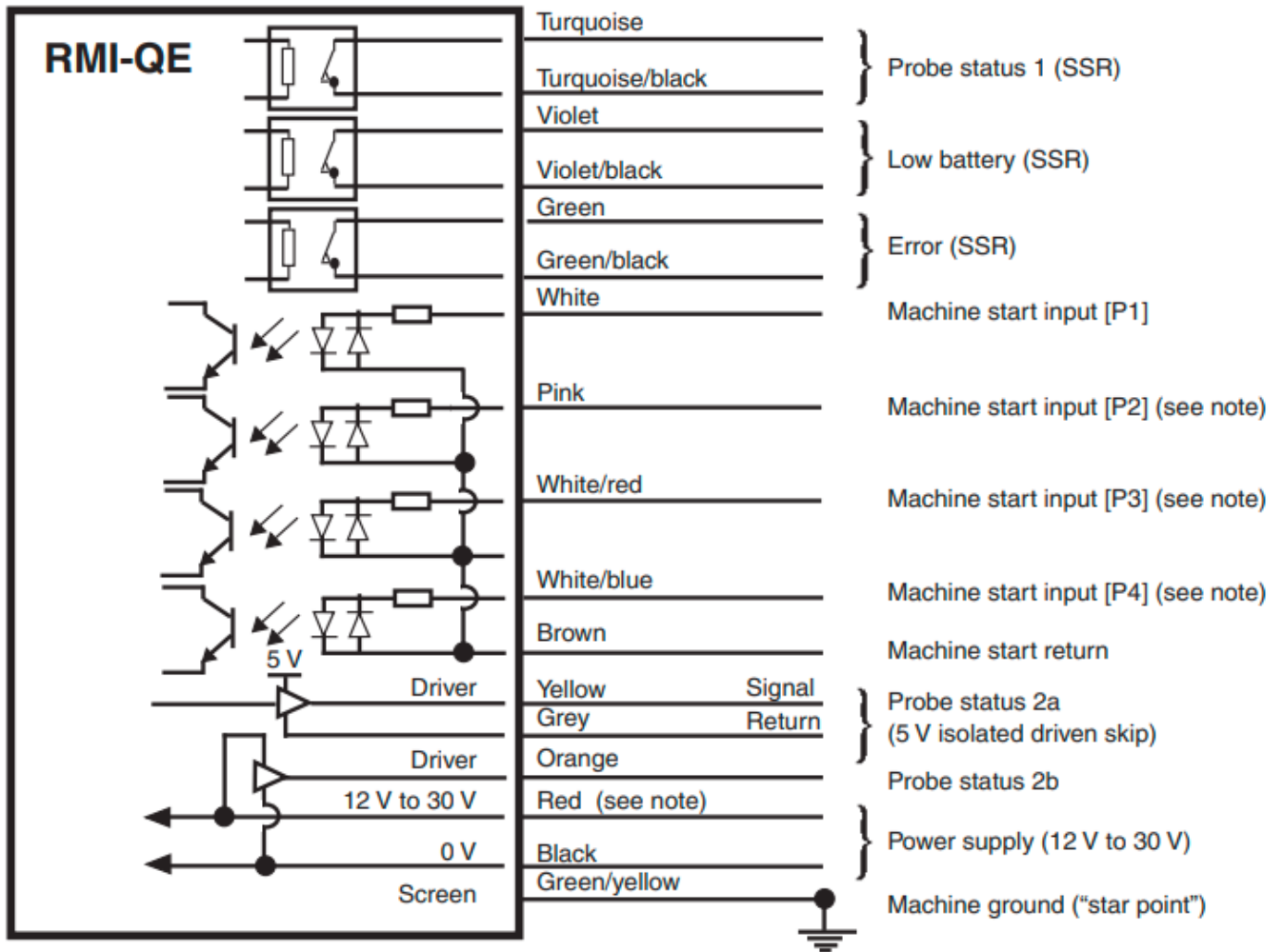
- NO = Normally open
- NC = Normally closed
- NH = Normally high
- NL = Normally low

CAUTION: Exercise caution when using error or probe SSR in NO mode as a wiring fault could cause loss of error condition and therefore could result in a non-failsafe condition.

Switch SW1 output configuration and Switch SW2 output configuration



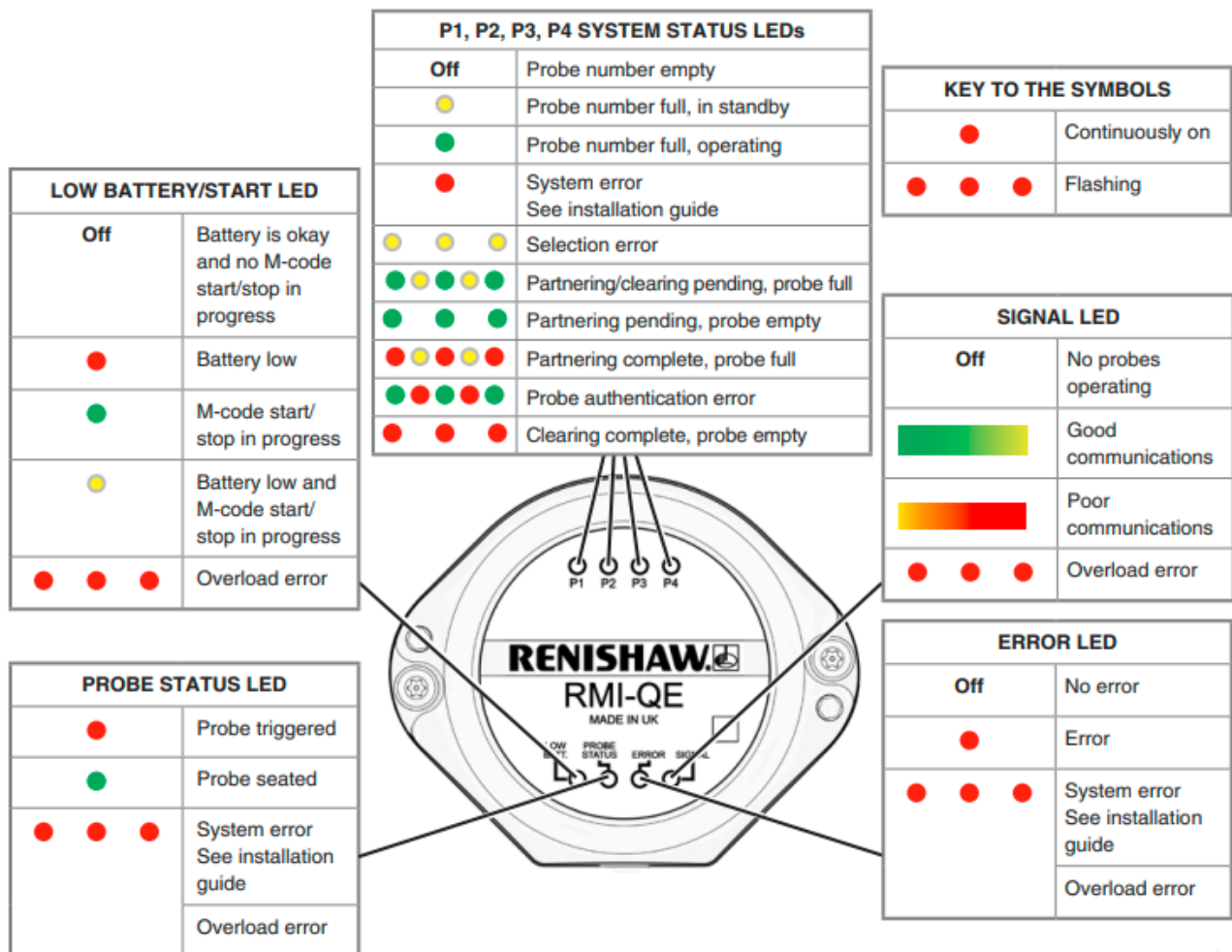
Wiring diagram (with output groupings shown)



CAUTION: The power supply 0 V should be terminated at the machine ground ("star point"). A negative supply can be used, when wired appropriately.

NOTE: A switch can be fitted between the machine power supply and the red wire, to aid powering up the RMI-QE when partnering.

RMI-QE visual diagnostics



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Other brand, product or company names are trade marks of their respective owners.

Warranty

Unless you and Renishaw have agreed and signed a separate written agreement, the equipment and/or software are sold subject to the Renishaw Standard Terms and Conditions supplied with such equipment and/or software, or available on request from your local Renishaw office.

Renishaw warrants its equipment and software for a limited period (as set out in the Standard Terms and Conditions), provided that they are installed and used exactly as defined in associated Renishaw documentation.

You should consult these Standard Terms and Conditions to find out the full details of your warranty. Equipment and/or software purchased by you from a third-party supplier is subject to separate terms and conditions supplied with such equipment and/or software. You should contact your third-party supplier for details.

EU declaration of conformity

Renishaw plc hereby declares that the RMI-QE is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

Contact Renishaw plc or visit www.renishaw.com/mtpdoc for the full EU declaration of conformity.

Disposal of waste electrical and electronic equipment (WEEE)

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.

Disposal of batteries

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.

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

China RoHS

For more information on China RoHS visit:

www.renishaw.com/chinarohs

FCC Information to user (USA only)

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 authorized representative could void the user's authority to operate the equipment.

ICES Information to user (Canada only)

This ISM device complies with Canadian ICES-001.

Cet appareil ISM est conforme à la norme ICES-001 du Canada

Patents

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

Patents pending

Radio approvals

Canada:

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:


1. this device may not cause interference
2. This device must accept any interference, including interference that may cause undesired operation of the device.

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Documents / Resources

	<p>RENISHAW RMI-QE Radio Machine Probe [pdf] User Guide RMI-QE, RMIQE, KQGRMI-QE, KQGRMIQE, RMI-QE Radio Machine Probe, Radio Machine P robe, Machine Probe, Probe</p>
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