

# RMI-Q radio machine interface

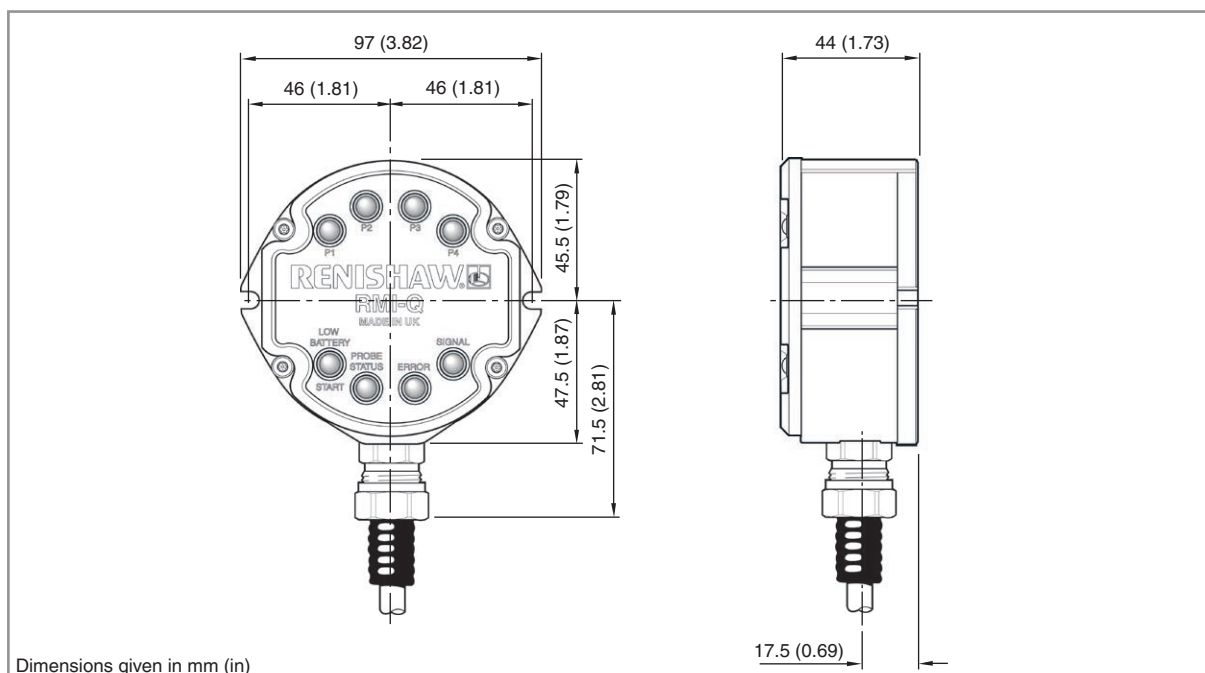

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## Specification

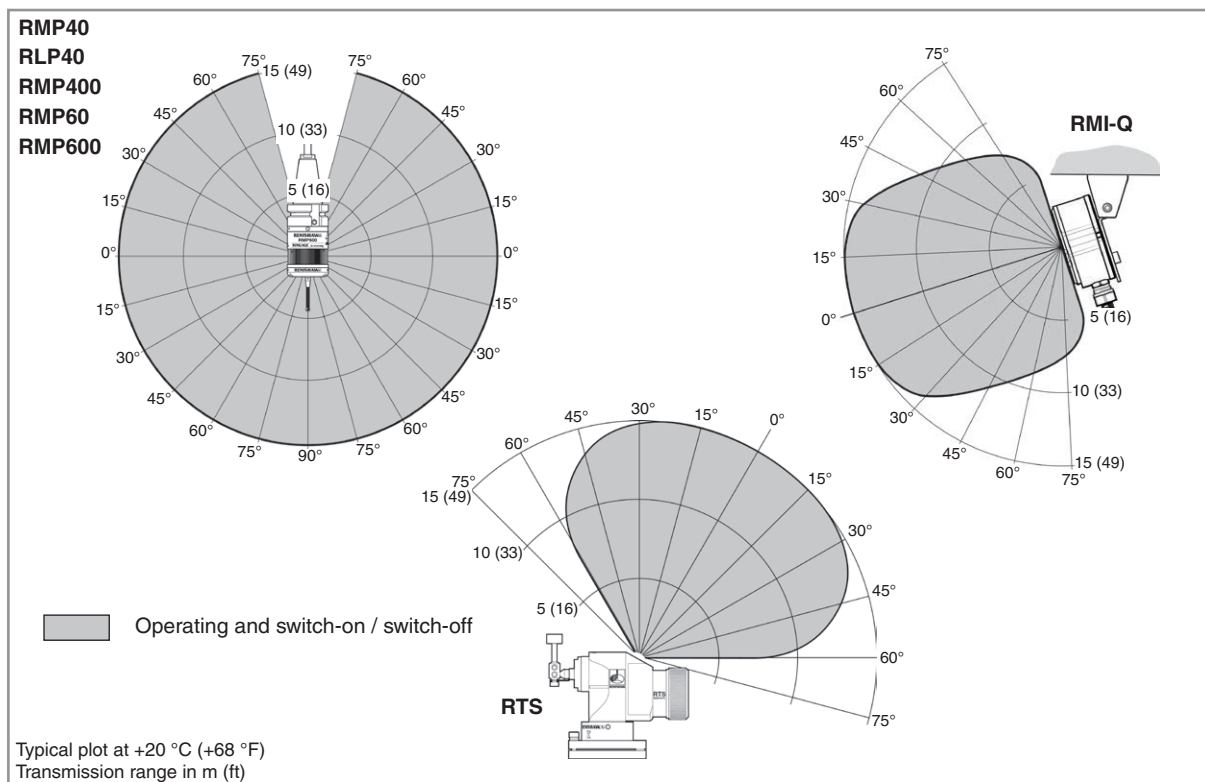
<b>Principal application</b>		All machining centres, 5-axis machines, twin spindle machines and vertical turret lathes.
<b>Transmission type</b>		Frequency hopping spread spectrum (FHSS) radio Radio frequency 2400 MHz to 2483.5 MHz
<b>Radio approval regions</b>		China, Europe (all countries within the European Union), Japan and USA. For details about other regions, please contact Renishaw.
<b>Probes per system</b>		Radio M-code on = up to four Spin/shank switch on = unlimited
<b>Compatible probes</b>		Component setting/inspection: RMP40, RMP40M, RMP400, RMP60, RMP60M and RMP600 Lathe inspection: RLP40 Tool setting: RTS
<b>Operating range</b>		Up to 15 m (49.2 ft)
<b>Weight</b>		RMI-Q including 8 m (26.2 ft) of cable = 1050 g (37.04 oz) RMI-Q including 15 m (49.2 ft) of cable = 1625 g (57.32 oz)
<b>Supply voltage</b>		12 Vdc to 30 Vdc
<b>Supply current</b>		800 mA peak, <500 mA typical from 12 V to 30 V
<b>Configurable M-code input</b>		Pulsed or level
<b>Output signal</b>		<b>Probe Status 1, Low Battery, Error</b> Voltage-free solid-state relay (SSR) outputs, configurable normally open or normally closed. <b>Probe Status 2a</b> 5 V isolated driven output, invertible. <b>Probe Status 2b</b> Power supply voltage driven output, invertible.
<b>Input / output protection</b>		Supply protected by resettable fuse. Outputs protected by over current protection circuit.
<b>Diagnostic LEDs</b>		Start, low battery, probe status, error, signal condition and P1, P2, P3, P4 system status.
<b>Cable (to machine control)</b>	Specification	Ø7.6 mm (0.30 in), 16-core screened cable, each core 18 x 0.1 mm
	Length	8 m (26.2 ft) and 15 m (49.2 ft) standard lengths. Optional 30 m (98.4 ft) and 50 m (164.0 ft) cable assemblies are also available.
<b>Mounting</b>		Flush mounting or directional mounting with optional mounting bracket (available separately).
<b>Environment</b>	IP rating	IPX8 (EN/IEC60529)
	Storage temperature	-25 °C to +70 °C (-13 °F to +158 °F)
	Operating temperature	+5 °C to +55 °C (+41 °F to +131 °F)

For further information and the best possible application and performance support please contact Renishaw or visit [www.renishaw.com/rmi-q](http://www.renishaw.com/rmi-q)

## Dimensions



## Performance envelope



For worldwide contact details, visit  
[www.renishaw.com/contact](http://www.renishaw.com/contact)

