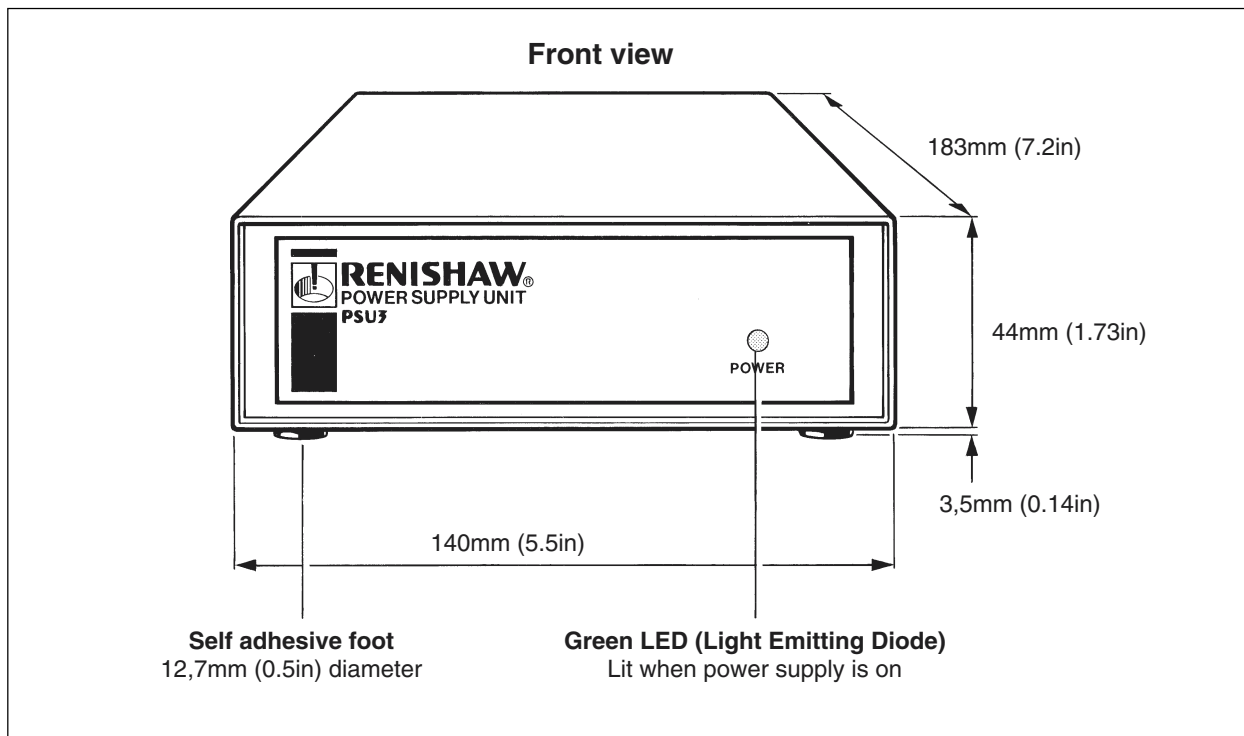


# PSU3 power supply unit

The PSU3 provides a +24V dc power supply for Renishaw signal transmission units, when a +24V dc power supply is not available from the CNC machine control.



## APPLICATIONS

The PSU3 is used to power the following Renishaw system units.

### Interface Units

<b>MI 5</b>	Typical load 200mA.
<b>MI 8</b>	Typical load 50mA.
<b>MI 12</b>	Typical load 400mA.
<b>O-M-I</b>	Typical load 200mA.

### Other Units

<b>SSR convertor</b>	Typical load 40mA.
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More than one unit may be driven from a PSU3 provided the maximum output current is not exceeded (0,5A maximum).

## REAR PANEL CONNECTIONS

All rear wiring connections are on the outside of the enclosure.

## INPUT

<b>Supply voltage</b>	85 - 264V ac. 47 - 66Hz.
<b>Supply power</b>	25W maximum.
<b>Supply protection</b>	The PSU3 must be supplied from a mains circuit in which overcurrent devices of 10A or less are fitted.

## OUTPUT

<b>Output voltage</b>	24V dc. $\pm 2V$ dc.
<b>Supply current</b>	0,5A maximum.
<b>Output protection</b>	The PSU3 is over voltage and overcurrent protected.

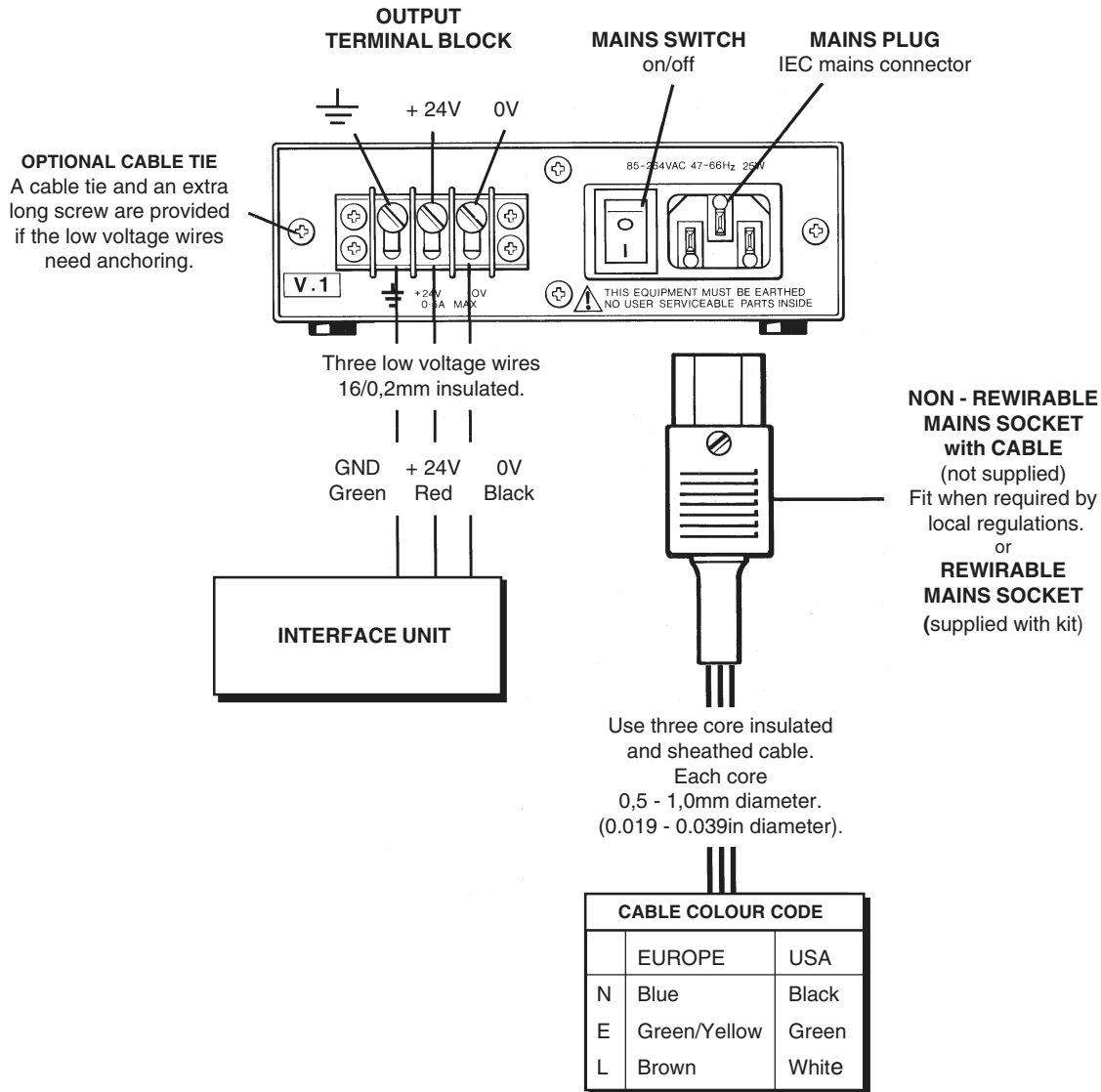
## ENVIRONMENT

<b>Storage</b>	<b>Ambient temperature range</b> -10° to 70°C (14° to 158°F).
<b>Operating</b>	<b>Ambient temperature range</b> 5° to 50°C (41° to 122°F).

# RENISHAW

## DATA SHEET

## Rear view



## Parts List - Please quote the Part No. when ordering equipment

Type	Part No.	Description
PSU3	A-2019-0018	PSU3 Power Supply Unit.

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