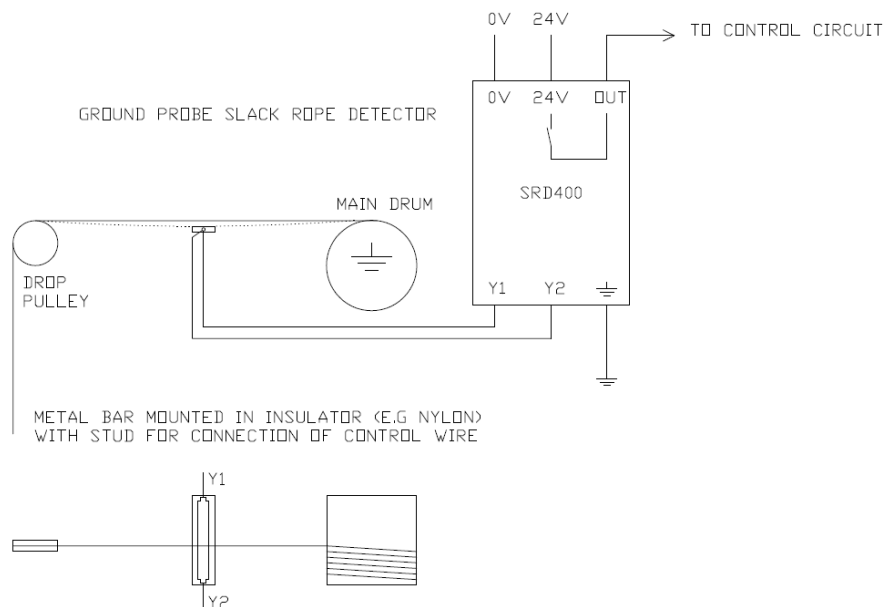


Data Sheet

SRD400 – Slack Rope Detector for Theatre Hoists

The SRD400 is a slack rope detector designed for use on theatre type hoists. It connects to virtually any hoist in common use and provides a simple yet effective method of slack rope or cross groove/cable off drum detection.

The probe is connected locally to the SRD400 and the interface to the main control system is kept to a minimum. An LED indicator is provided on the SRD400 to assist in calibration during hoist commissioning and as a local indication of slack rope status. A relay output is used for interfacing to the hoist control system. The relay is set up such that it is energised (contacts closed, LED lit) when the wire rope is NOT slack. When the rope goes slack it touches the isolated earth probe and de-energises the relay. The SRD400 also detects if the probe has become disconnected in accordance with the entertainment technology standard BS17206.



Connections:

- | | |
|---|--------------|
| 1 | 0 Volts |
| 2 | 24VDC Supply |
| 3 | Relay Output |

- | | |
|----|----------------------|
| Y1 | Ref Voltage to probe |
| Y2 | Input from probe |
| ⏏ | Earth |

The SRD400 is available from:

AVW Controls Ltd
sales@avw.co.uk
www.avw.co.uk