



Static Control & Monitoring System

Sentry MkIII Technical Data

Dimensions (mm)

255 x 215 x 160 (W x H x D)

Weight

1.55Kg excluding power supply (PSU) approximately 0.5Kg,

Voltage-free Relays

Two pairs of relay contacts.
Rated at 50VDC 200mA maximum.
Relays close in time with PASS and FAIL lamps on the front panel.

1. Normally open - close on PASS
2. Normally open - close on FAIL

Pass relay contacts Pins 1 & 2	Normally open Close on Pass
Fail relay contacts Pins 3 & 4	Normally open Close on Fail

Dual Footplate cable assembly

The assembly comprises a multi-core cable containing two wires and a screen with colour-coded terminals to connect to terminal blocks in the Sentry unit.

Wire	Footplate connection	Sentry Connection
Left Foot	Red coded terminal	Red wire
Right Foot	White coded terminal	White wire
Screen	No connection	Green/Yellow wire

System Measurement

Range	2K Ω to 1G Ω
Resolution	Better than 6%
Accuracy	
2K Ω - 120K Ω	1.1K Ω
120K Ω - 700K Ω	Better than 10%
700K Ω - 1G Ω	Better than 15%

Notes for measurements above 250M Ω

Measurement cannot be guaranteed unless operated in a controlled environment.
Care should be taken to allow adequate settling time.
Measurements are specified at the instrument connectors.
Accuracy excludes measurement at footplates because of problems of contact resistance.
Noise and mechanical disturbance in the connecting leads can cause readings to vary.

Test time

Sentry will normally perform all measurements and tests, and record the results, within 2.5 seconds.
Typically 0.5 seconds per node plus 0.5 seconds.

Wrist straps

4mm socket and 10mm stud for single-wire wrist straps.
3.5mm jack socket for dual-wire wrist straps.

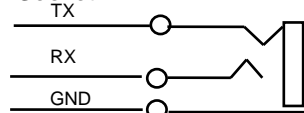
Ethernet

RJ45 connection to 10/100 Mbps Ethernet port.

USB

Connector USB mini.

RS232 Socket



Connection Port Settings (RS232)

Baud rate: 19200
Data Bits: 8
Stop Bits: 1
Parity: None
Flow Control: Xon / Xoff

Key lock for numeric keypad

To prevent unauthorised use when card reader used.

Power Supply

External regulated PSU 12V DC \pm 0.25V @ 500mA.
2.1mm socket, centre +ve, outer -ve MUST be earthed

Card reader interface

Caters for a range of User identity card types including:
Bar code swipe card reader (Code 39)
Magnetic strip card reader ABA track 2
Proximity card/fob reader for various formats including HID non-proprietary formats; Nidac Presco; Indala Flexpass; CardPos and Wiegand



Sentry ■ Always on guard
Sentry is designed and manufactured in the UK.

