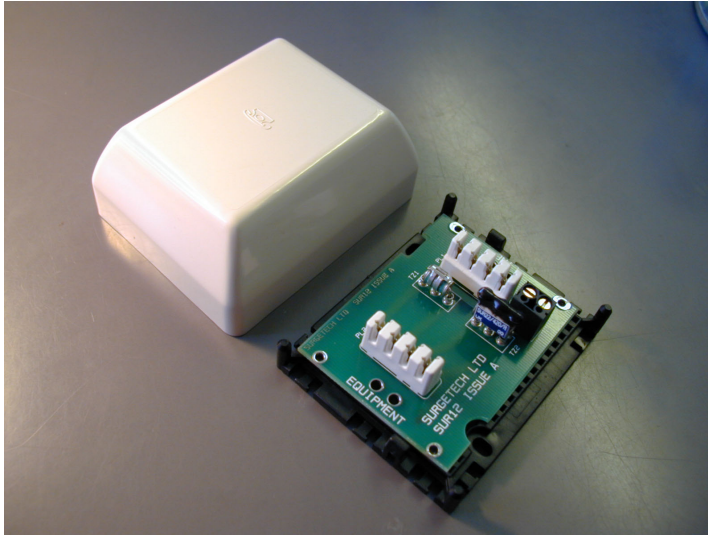


STATION PROTECTOR

SUR12 SERIES



Dimensions 80x60x35mm

Unit shown with SUR22/420 and miniature Joslyn 2036 surge arresters.

DESCRIPTION

The product is designed to protect one or two line pairs and associated equipment from the effects of overvoltage surge transients caused by lightning, inductive switching, power crosses, and other phenomena. A feature of the design is that the installation authority may choose and fit their own surge arresters or, alternatively, specify their requirements and have them fitted and supplied as part of a complete package.

APPLICATIONS

SUR12 is a 2-pair station protector suitable for mounting indoors. It can be used to protect telephone subscribers at locations with one or two pairs. Both base and cover are in flame-resistant ABS. The unit comes ready to accept two 3-electrode surge arresters with standard 4.4mm leg spacing, and because of the flexibility in choice of the gas discharge tube voltage, it can accommodate systems with either earth-backed or battery-backed ringing.

INSTALLATION

SUR12 is installed by fixing the base to an interior surface, plugging in the chosen surge arresters, and then wiring the line and equipment to the Krone insulation displacement connectors. After the earth is wired in the lid is clipped on. It is good practice for the cabling from the SUR12 to the equipment to be kept to a minimum, and the availability of a good electrical earth is essential.

ULTRAFAST ISDN VERSION

Using the Ultrafast SUR22/200 Hybrid (datasheet available separately) gives advanced high-speed protection for ISDN lines and other sensitive lines where gas discharge tube protection alone is not sufficient against fast transients.

LOW CAPACITANCE ULTRAFAST ADSL/ISDN VERSION

By plugging in the Surgetech SUR23/200 Ultrafast Hybrid (datasheet available separately), advanced high-speed protection is available for high frequency ADSL, HDSL or ISDN lines. Capacitance around 10pF gives minimal signal interference.

OUTLINE ELECTRICAL CHARACTERISTICS

Surge arrester type	200 volt	230 volt	SUR22/200 Hybrid	SUR23/200 Hybrid
Application	Earth-backed Ringing	Battery-backed ringing	ISDN	ADSL 8MB
DC Sparkover voltage (volts)	150 – 250	184 – 276	150 – 250	150 – 250
Impulse discharge current (kAmps)	5	5	5	5
Impulse sparkover voltage (volts max)	625	650	250	250
AC discharge current (amps)	5	5	5	5
Capacitance (pF nominal)	2	2	200	8

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