

## TECHNICAL DATA SHEET PHONE LINE SURGE PROTECTION DEVICES



GKRJ12-ADSL-2



GKRJ12-ADSL-4

### Introduction

Telephone, fax, and modem lines are highly susceptible to induced transient overvoltages caused by lightning strikes and other voltage disturbances. These transients may be directly induced in the cabling or may be caused by differential earth voltages due to mains voltage disturbances. The GATEKEEPER GKRJ12/45 range is specially designed for the protection of single line telephone, fax, modem or similar devices.

### Operation

The GATEKEEPER GKRJ12/45 SPD is an in-line device, which may be inserted in the existing line to protect the equipment. It fits inline with the standard patch cord.

### Installation

Place the protector in line with the RJ11/RJ12/RJ45 patch cord at the wall socket or switch. If installed within a rack, attach the earth cable to the rack frame.

### Specifications

| ORDER CODE:                                       |                             | GKRJ12-PSTN         | GKRJ12-ISDN | GKRJ12-ADSL 2 | GKRJXX-ADSL 4   |
|---|-----------------------------|---------------------|-------------|---------------|-----------------|
| <b>Electrical:</b>                                |                             |                     |             |               |                 |
| Max Operating Voltage:                            | V                           | <220V               |             |               |                 |
| Max Operating Line Current:                       | mA                          | 120mA               |             |               |                 |
| Max Discharge Current I <sub>max</sub> : (8/20us) | KA                          | 20KA                |             |               |                 |
| Clamping Voltage:                                 | Line to Line/Line to Shield | ≤ 230V              |             |               | ≤ 300V          |
|   | Shield to Ground            | ≤ 300V              |             |               |                 |
| Transmission Speed                                | bps                         |                     |             |               | 10M             |
| Insertion Loss                                    | dB                          | ≤ 0.5               |             |               |                 |
| <b>Mechanical</b>                                 |                             |                     |             |               |                 |
| Connection:                                       |                             | RJ11/RJ12           |             |               | RJ11/RJ12 or 45 |
| Mounting:   |                             | Adhesive Backing    |             |               |                 |
| Dimensions:                                       | mm                          | 25mm x 22mm x 16 mm |             |               | 64 x 25 x 25    |
| Environment:                                      | °C                          | -25 to +70          |             |               |                 |
| Approval:   |                             |                     |             | N53 C-Tick    | A-Tick          |
| Warranty  |                             | 5 Years             |             |               |                 |

**Key:** Example: GKRJ12-ADSL-4

|            |           |   |                 |
|------------|-----------|---|-----------------|
| Gatekeeper | Protocol  |   |                 |
| GK         | RJ12      | - | ADSL            |
|            | -         |   | 4               |
|            | Connector |   | Number of lines |