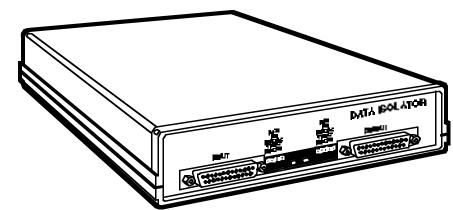# BLACK BOX®
## NETWORK SERVICES

# Data Isolators



*Protect your high-speed data links!*

## Key Features

▶ *Data rates to 200 Kbps.*

▶ *Bi-directional handshaking.*

▶ *2500-volt isolation.*

▶ *Eliminates damaging ground loops.*

### Technically Speaking

**D**ata Isolators are AC line-powered units that provide 2500-volt isolation protection between two connected devices. Models support RS-232 and TTL interfaces. High-speed models support data rates up to 200 Kbps. And with the RS-232↔Isolators, you get data isolation and interface conversion in one little box.

Data Isolators provide electrical isolation between two data circuits. Units work at up to 19.2 Kbps; and high-speed units support rates to 200 Kbps. All units incorporate UL® recognised components in the AC line connections and isolation circuits.

Data Isolators are equipped with two DB25 connectors. The units connect to the devices to be isolated and to the AC line. Selecting interface options is just a matter of flipping DIP switches. Installation is quick and simple!

### For these and other components...
*Call our expert Technical Support Staff for all your Data-Line Protection needs. They'll help you find the best equipment for your application.*

### Specifications

**Maximum Data Rate —** SP403A, SP405A, SP407A, IC104A: 19.2 Kbps; SP404A, SP406A-R2, SP408A, IC103A: 200 Kbps

**Interface —** SP403A–SP404A: RS-232; SP405A–SP406A-R2: RS-422; SP407A–SP408A: TTL; IC103A–IC104A:RS-232, TTL

**Connectors —** All models: (2) DB25 female

**Indicators —** (2) Power On LEDs

**Power —** 230 VAC, 50 Hz

**Size —** 4.6 x 20 x 16 cm (1.8"H x 8"W x 6.3"D)

**Weight —** 0.9 kg (2 lb.)

# Ordering Information

*This information will help you place your order quickly.*

| PRODUCT NAME | ORDER CODE |
|---|---|
| RS-232↔TTL Isolator | IC104AE |
| High-Speed RS-232↔TTL Isolator | IC103AE |