Model ICD103A
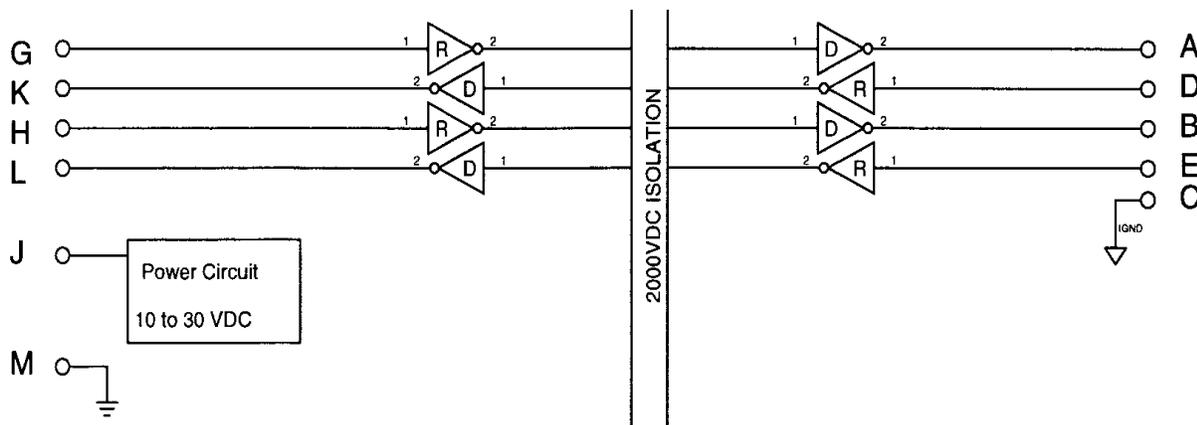
DIN Rail Mountable RS-232 Isolator **CE**

Overview

The ICD103A is a DIN rail mountable RS-232 optical isolator. It isolates four RS-232 lines at 2KV, two lines in each direction. The signals can be data or handshakes. There are four LEDs to show data traffic and one LED for power. The connections are made though terminal blocks on each side. The ICD103A requires a single 10 to 30 VDC power supply.
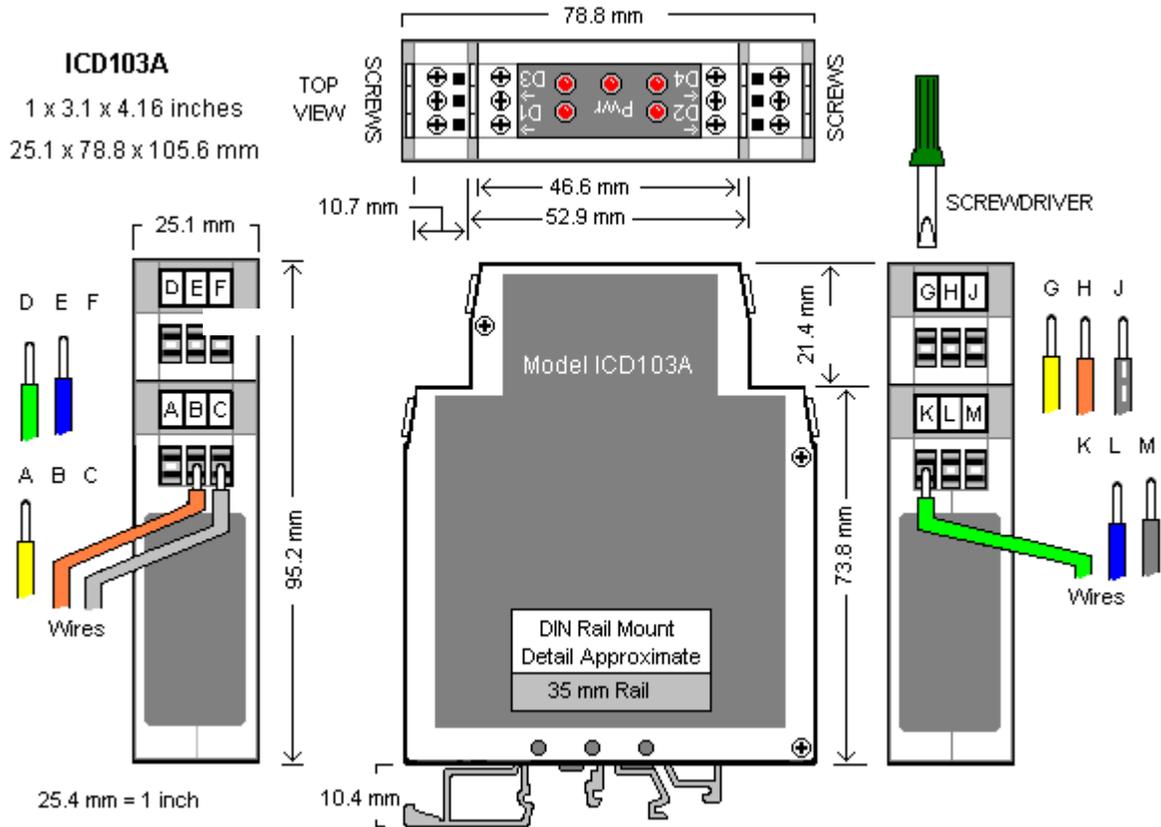
The ICD103A is ideal for the industrial environment. The 2000 volt isolation allows the isolator to protect your computer from ground loops and induced currents caused by lightning, heavy equipment turning on and off, or the serial cable running close to high power lines. The isolation also helps eliminate ground loops caused by different potentials on the grounds.

The ICD103A can also be used as a repeater to extend the RS-232 signal beyond 50 feet. The signal lines can handle either two data lines in each direction, or one data line and one handshake line in each direction.

Specifications

Dimensions:	1.0 x 3.1 x 4.16 in (25.1 x 78.8 x 105.6 mm)
Temperature Range:	-40 to +80 °C (-40 to +176 °F)
Supply Voltage:	+10 to 30VDC @ 100mA
	+9 to 30VAC @ 100mA
Data Rates:	Up to 115.2K bps
Connectors:	Screw down terminal blocks
Isolation:	2000 VDC isolation for 1 minute

ICD103A

1 x 3.1 x 4.16 inches

25.1 x 78.8 x 105.6 mm

TOP VIEW

78.8 mm

SCREWS   SCREWS

10.7 mm   46.6 mm   52.9 mm

SCREWDRIVER

25.1 mm

D E F

D

E F

A B C

A B C

Wires

95.2 mm

25.4 mm = 1 inch

Model ICD103A

DIN Rail Mount
Detail Approximate

35 mm Rail

21.4 mm

73.8 mm

10.4 mm

G H J

G H J

K L M

K L M

Wires

Model Number:	ICD103A
Description:	RS-232 Isolator
Type:	Light industrial ITE equipment
Application of Council Directive:	89/336/EEC
Standards:	EN 55022
	EN 61000-6-1
	EN 61000 (-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11)

CE