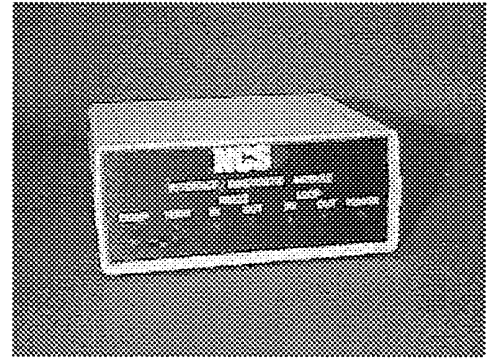


Interface Diagnostic Module (IDM)



Overview

The Interface Diagnostic Module (IDM) provides an interface between the 1251e Access Point Manager (APM) communications loop and the host computer of an ITI host-based access control system. The IDM converts the RS-232 voltage levels used by the host computer or terminal into 20 mA current levels used by the 1251e APM communications loop. The IDM is also an isolated interface so the host computer is protected from power surges. One IDM is required for each network of APMs that is connected to a host or terminal. An IDM may also be used to interface remotely located 1251e APMs using devices such as modems.

The IDM is capable of either passive or active operation for both transmitting and receiving. Each IDM contains LED indicators for power and operating communications.

Applications

The ITI Interface Diagnostic Module is recommended for:

- ITI host-based access control systems
- Connecting 1251e APMs to RS-232 devices
- APM network diagnostics

Features

ITI Interface Diagnostic Module features include:

- LED indication of power and communications
- Isolates the loop from the host CPU
- Can be used as a diagnostic tool

Interface Diagnostic Module

Specifications

Dimensions: 2.5 x 6.1 x 8.8 in (H x W x D)
(6.4 x 15.4 x 15.9 cm)

Weight: 2.4 lb.

Temperature: 32° F to 122° F (0° C to 50° C)

Electrical: Voltage: 120 VAC, 60 HZ
Current: 100 mA

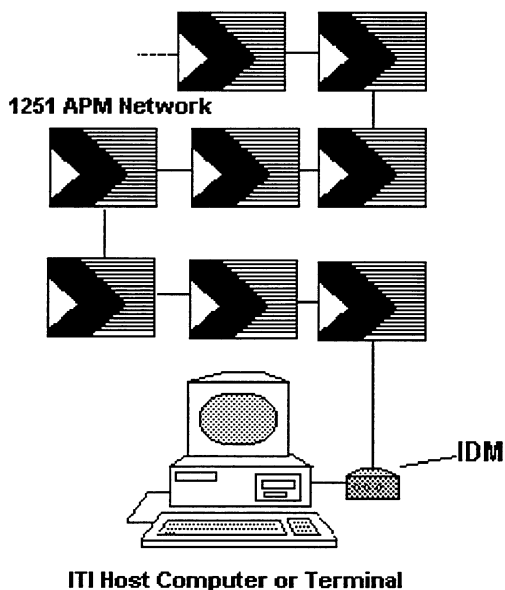
Communications:

Loop current (source):
20 mA

Open current loop voltage:
12 VDC

Loop input: current limited to 40 mA max.

IDM Configuration



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Architect/Engineer Specification

An Interface Diagnostic Module (IDM) shall be provided to interface each Access Point Manager (APM) communications network to the access control host computer. This device shall isolate the APM communications network from the host, protecting the host computer from electrical surges and other power problems. The IDM also converts the 20 mA current levels used by the APMs to RS-232 voltage levels used by the host. LEDs on the device indicate the status of power and communications to the host.

Ordering Information

890065 Interface Diagnostic Module

Specifications are subject to change without notice.

Doc. # 466-1248 Rev. A
(Spec Sheets available in quantities of fifty)