

Class 'A' DES Receiver Module

Model: MP5-1

Revised: April 2002

Product Description

The Model MP5-1 Receiver Module Desplex Series 1 provides for advanced intrusion detection and monitoring functions as part of an overall physical security system. The MP5-1 performs the following functions:

- ◆ Intrusion detection/annunciation of alarm conditions from the secured area/SCIF (*1 zone*).
- ◆ Line supervision security/tamper protection annunciation.
- ◆ Secure area status (*AC, battery, keypad, synchronization, etc.*) display.

All of the above functions are annunciated via visual (*red, green and yellow LED's*) and audible (*tone*) indicators. All functions are annunciated while the area being monitored is in a secure or access mode. Additionally, the MP5-1 can be configured to report all events to a printer, CRT terminal or host computer system as part of any event logging/recording system.

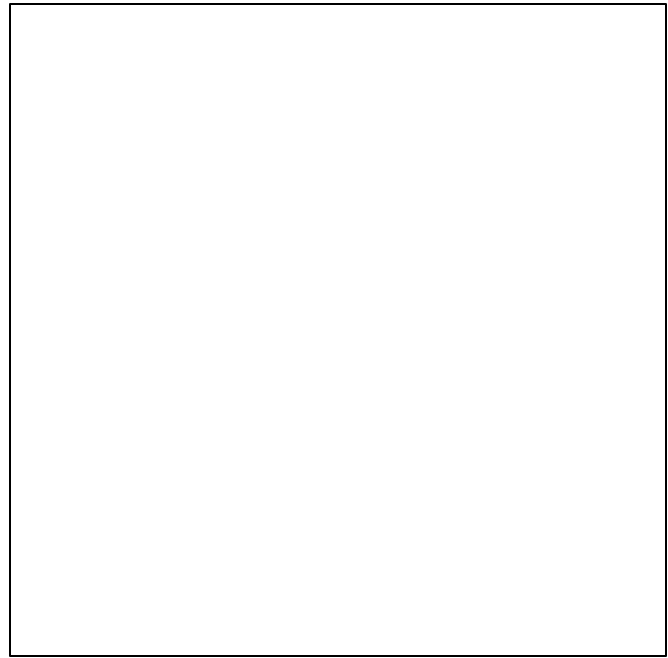
The Model MP5-1 consists of an integrated, all solid state-of-the-art microprocessor based module and front panel indicator/switch array, all contained on three circuit boards and associated structural hardware.

Product Features

The following summarizes many of the standard features of the MP5-1.

- ◆ Microprocessor based design provides for flexible functionality while onboard diagnostics assure reliable and virtually "turn key" operation.
- ◆ DIAM 50-3, DCID 1-21 and United States Reg. 381-14 approved high line supervision (*Class 'A' DES digital IAW Fed. Std. 1027*).
- ◆ No manual adjustments of any kind, either on-line (*operational*) or off-line (*diagnostics mode*).
- ◆ Multi-level electrical transient/noise protection and "anti-latchup" circuit.
- ◆ Automatic resynchronization (*with momentary annunciation*) of the communications link between the MP5 and the secured area termination equipment.
- ◆ Communications to secured area termination equipment over a single unconditioned signal pair with NO line distancing restrictions.
- ◆ Remote test/annunciation of secured area standby battery.
- ◆ Mode (*access/secured*) select and annunciation capability.
- ◆ Separate annunciation of secured area equipment AC and standby by DC battery power.
- ◆ Separate annunciation of IDS alarm loop alarms.
- ◆ Separate annunciation of tamper loop alarms.
- ◆ Separate annunciation of mode change alarms.
- ◆ Separate annunciation of synchronization/DES key mismatch alarms.

(continued on reverse side)



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Product Specifications

Height = 5.3 inches
Width = 1.6 inches
Depth = 7.3 inches
Weight = 8.0 ounces

Electrical = 6.75 VDC (*nominal*)
3.25-10 VDC Input Operational

Operational Environment = 0 - 50 Degrees Celsius
10 - 90% R.H. (*non-condensing*)

*UL Listed No. 1076 and 1620

Product Features (cont.)

- ◆ Separate annunciation of secured area keypad duress alarms.
- ◆ Separate annunciation of secured area keypad failed attempts alarms.
- ◆ Mil spec quality control and plug compatible with Wells Fargo, IRA and other industry standard systems.
- ◆ User configurable DES encryption key.
- ◆ User configurable for automatic reset.
- ◆ User configurable for two man (highest security response) reset.
- ◆ User configurable for delayed alarm annunciation pending secured area mode change.
- ◆ User configurable for non-alarm activity monitoring/annunciation.
- ◆ Fiber Optic and wireless (radio) communications link compatible.
- ◆ Easily enhanced/customized/updated via simple software changes.
- ◆ Audible annunciation silence capability.
- ◆ LED test (“*lamp test*”) and on-line system reset capability.
- ◆ Remote alarm, mode outputs available for graphic panel/display annunciation.
- ◆ Comprehensive event logging/recording capability.
- ◆ Upgradeable to an MP5-3 or MP5-10 with a simple upgrade kit.

Optional

- ◆ Extender board (*EB5*) used for user configuring of DES encryption key or for diagnostics/system troubleshooting.
- ◆ Terminal interface/microkey loader (*KL5*) option. Used for ease of user configuring of DES encryption key loading and diagnostics/troubleshooting. Comes with all appropriate RS-232 interface/cabling.
- ◆ Intelligent Network Controller (*IXP5*), used for event logging/security management host computer functions (*i.e., event/transactions printing/recording, etc.*)