

Class 'A' DES Receiver Module

Model: MP5-10

Revised: April 2002

Product Description

The Model MP5-10 Receiver Module Desplex Series 10 provides for advanced intrusion detection and monitoring functions for 10 Premise Control Units (CU5). The MP5-10 performs the following functions:

- ◆ Intrusion/tamper detection/annunciation of alarm conditions from the ten secured areas/SCIFs (60 alarm points).
- ◆ Line supervision security/tamper protection annunciation.
- ◆ Secure area status (AC, battery, keypad, synchronization, etc.) display.

All of the above functions are annunciated via visual (LED's) and audible (tone) indicators. All functions are annunciated while the area being monitored is in a secure or access mode. Additionally, the MP5-10 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 MP5-10 consists of a microprocessor based module and front panel indicator/switch array, all contained on four circuit boards and associated structural hardware.



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Product Features

The following summarizes many of the standard features of the MP5-10.

- ◆ 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.
- ◆ Floating (transformer Isolated) signal lines to the secured area.
- ◆ 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 detection/sensor equipment.
- ◆ 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.

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

ORDER: See Ordering Information on next page

Digitize, Inc.

CUTSHEET P/N 750396 REV. A 04/02

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Product Features (cont.)

- ◆ Separate annunciation of IDS alarm loop alarms.
- ◆ Separate annunciation of tamper loop alarms.
- ◆ Separate annunciation of mode change alarms.
- ◆ Separate annunciation of line supervision alarms.
- ◆ Separate annunciation of synchronization/DES key mismatch alarms.
- ◆ 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.
- ◆ Comprehensive host computer system with graphics capability.

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.