

Basic Premise Control Unit

Model: CU5-1

Revised: April 2002

Product Description

The Module CU5-1 Premise Control Unit provides a physical enclosure/interface for devices used in securing a specific area. The CU5-1 interfaces various detection devices in the secured area to a monitoring facility which is located away from the secured area. The detection devices consist of electrically "closed" switch or relay dry contacts which "open" when a specific change is detected. The detection devices are interfaced to the monitoring facility (*i.e., Desplex MP5 series monitoring/supervisory panel*) via a termination module (*i.e., Desplex TM5 transmission module*) installed in the CU5-1 enclosure. The detection devices are typically the relay contacts from Balanced Magnetic Switches (*i.e., perimeter protection*) used in protecting an access point into the secured area or the relay contacts from the output of a detection module used for detecting some other type of alarm condition (*i.e., volumetric*). The basic CU5-1 consists of a metal enclosure, housing a motherboard and appropriate support hardware.



CU5-1
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Product Features

The following summarizes many of the standard features of the CU5-1.

- ◆ Sturdy structural support consisting of a 16 gauge steel enclosures.
- ◆ Standardized printed circuit motherboard used for all Control Unit/Transmission Module/Detector Module configurations. The interface to all "outside world" connections is via screw type barrier strips.
- ◆ Reconfiguration plug-in jumpers allow easily implemented changes to the system configuration and configuration with a wide variety of detection modules.
- ◆ Accommodates (*plug compatibility*) industry standard transmission modules and meets DIAM 50-3, DCID 1-21 and US Army Reg. 381-14.
- ◆ Configurability for separate tamper and alarm loops for use with Desplex series transmission modules.
- ◆ CU5-'s may be cascaded in various ways to effect compatibility with both Class 'A' and 'B' security configurations.
- ◆ Provision for a Remote Test relay controlled by the transmission module (*i.e., Desplex TM5*). The relay is standard for Class 'A' applications and optional for Class 'B' applications.
- ◆ Mode switch to allow the secured, are to be placed in either an Access or Secure mode.
- ◆ Keypad mode switch option for Class 'A' configurations.
- ◆ A high reliability tamper switch to be fed to the transmission module so as to detect a CU5-1 enclosure security compromise.
- ◆ A round key type lock is utilized to secure the CU5-1 enclosure door.
- ◆ Provision for a standby battery for use with the termination module for backup power during a primary AC power failure.

Optional

- ◆ Stand-alone Keypad/PIN mode (*access/secure*) switch (*ASKP5*), replacement for the keyswitch mode changing switch assembly (*used with Class 'A' only*).
- ◆ Class 'B' configuration Remote Test Relay (*TRB*), used for remote test configuration where a MPB/TMB configuration is used.
- ◆ Twenty-four (24) hour battery backup (*BT-24*).

Product Specifications

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| Height | = | 12.35 inches |
| Width | = | 9.38 inches |
| Depth | = | 3.84 inches |
| Weight | = | 12.00 pounds |

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| Electrical | = | Dependence on configuration. Can accommodate 18/24 VAC inputs to devices and 0-36 VDC @ 3 A output from devices. |
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| Operational Environment | = | 0 - 50 Degrees Celsius 10 - 90% R.H. (<i>non-condensing</i>) |
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| Standby Capability | = | 12 - 24 Hours, dependent on termination module/detection module configuration/loading. |
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