

PREMISE CONTROL UNIT WITH CAPACITANCE DETECTION MODEL: CU5-3

Features

- 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.
- 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.
- Access/Secure/AC OK/Alarm Status LEDs.
- A rechargeable GEL-CELL battery to provide emergency power if AC power is removed. This battery will power the capacitance detector system for at least 12 hours.
- Sensor loop tamper protection is provided in both access and secure modes of operation with LED annunciation for either.
- Auto balancing capability. There are no balance adjustments (manufacturing or user/field) on the CU5-3 capacitance detection.
- Sensitivity control to set how close a body (or object) must approach an element in the detection loop to produce an alarm condition.

Specifications

Size: 12.35 in. H x 9.38 in. W x 4 in. D

Weight: 12.0 lbs.

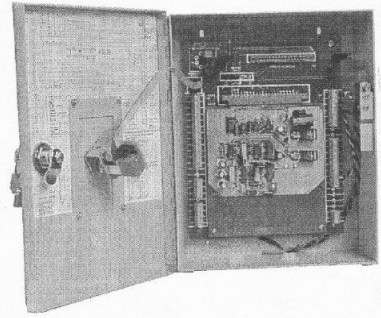
Electrical 18/24 VAC input & accompanying 12V rechargeable battery

Operating Environment: 0° – 50°C; relative humidity 10- 90% non-condensing

Standby Capability: 2 - 24 Hours, dependent on module termination-module / detection-module configuration/loading

Product Description

The CU5-3 Premise Control Unit with Capacitance Detection is designed to protect a surface or enclosure from attempted entry by detecting any change in capacitance, caused by the attempted entry and generating an alarm signal. Some types of surfaces or enclosures that can be protected are office equipment, stockrooms, file cabinets, safes, air ducts and any other surface or enclosure not grounded.



The basic system consists of a control unit, Model CU5-3 and sensor loop (wire connected) to an ungrounded surface or object to be protected. A series of wire grids or panels may be used outside the surface or object if it is grounded. The system produces an alarm signal if an intruder comes within range of the sensor loop.

Provision is also included for the connection of balanced magnetic door switches or other detection devices to produce an alarm condition. The alarm indication appears on a remotely located Receiver Module. NFPA-72 compliant.

Optional Features

- Stand-alone Keypad/PIN mode (*access 1secure*) switch (ASKP5), CU5-3 replacement for the key-switch mode changing switch assembly (*used with Class 'A' only*).
- Class 'B' configuration Remote Test Relay (TPB), used for remote test configuration where a MPB/TMB configuration is used.
- Twenty-four (24) hour battery backup (BT-24).
- Duct wire grid kit (WGD).