EVOHD

Robust Security and Access Control Panel

Description

Paradox EVOHD is a uniquely powerful security and access control panel. Powered by a strong and reliable processor, the EVOHD supports the enhanced functionality of the HD78 and HD88 cameras. The control panel's redundant communication systems generate reports to the Central Monitoring System (CMS) over IP, GSM, GPRS, landline or any combination thereof.

The EVOHD provides faster processing speeds with communications upload / download on a landline of up to 1200 baud programming for tamper reporting. Designed for easy installation and deployment of additional products, the EVOHD can support up to 254 security devices and 192 zones. The control panel's flexible zone assignment allows any detector to be assigned to any zone, regardless of the physical location of the connection. Efficient zone use is designed into the system to make system expansion, installation and service quick and convenient.

HD78 & HD88
HD Video and Audio PIR Cameras

The EVOHD supports both HD78 and HD88 cameras.

HD78   HD88

Unmatched Performance

▸ **Digital bus**
  - Provides continuous power, management and two-way communication between control panel and modules
  - Efficient and effective use of zone deployment
  - Integrated tamper reporting of EVOHD connected devices without additional wiring

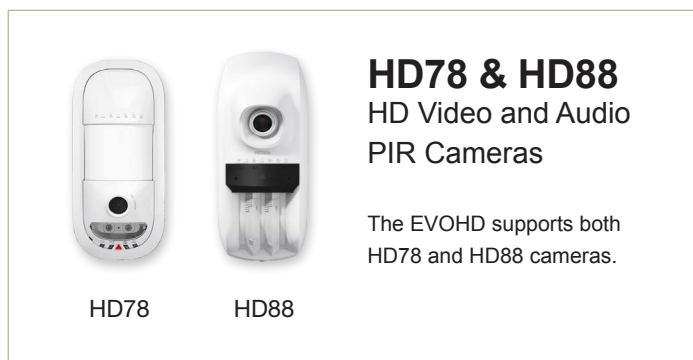▸ **PGM configuration**
  - 4 on-board, solid-state PGMs (2-4)
  - 1 on-board 5A relay PGM
  - PGM1 may be used as a 2-wire smoke input

▸ **Faster landline communications - software (1200 baud)**

▸ **Efficient battery charging - up to 1.5A**

▸ **Power supply**
  - 2.5A switching
  - 2A power available for modules / devices (requires a 75 VA transformer)

App-based System Control

The Insite GOLD app enables you to remotely access your Paradox security system and view your system cameras. Insite GOLD provides lots of functionality and information at one's fingertip. It has an intuitive user-interface which enables you to easily connect to your security system and edit settings. Now you can control your Paradox security system from any Android / iOS smartphone.

P ▲ R ▲ D O X ™

Technical Specifications

Control Panel (Non-UL systems)

AC Power	16 Vac, 40 / 75 VA, 50-60 Hz
Consumption	100 mA
Battery	12 Vdc, 7Ah minimum
Auxiliary Power	13.8 Vdc 2000 mA typical sustained with fuseless shutdown at 2.5A
Bell Output	1A, typical, fuseless shutdown at 3A
PGM Output	PGM1: Open collector output PGM2, 3 and 4: 100 mA solid-state relays with +/- trigger PGM5: Form C relay output rated at 5A / 28 Vdc N.O. / N.C.
Operational Temperature	-20 to 50°C (4 to 122°F)

All control panel outputs are rated to operate between 10.8 Vdc and 14 Vdc

Control Panel (Non-UL systems)

Accessories current*	30 hrs backup	60 hrs backup	Recharge to 80% (@ 850 mA)
7 AHr	130 mA	N/A	3.7 hrs
17 AHr	470 mA	183 mA	9 hrs
35 AHr	1170 mA	583 mA	18.7 hrs

* modules current is the sum or the current consumed by all modules (keypads, detectors, VDMP3...)

Hardware Capabilities

Feature	EVOHD
Zones	192
Partitions	8
Users	999
On-board PGMs*	5
Modules	254
Dimensions	9.5 x 20.2 cm (3.75 x 7.94 in.)
Weight	0.49 lbs (0.22 kg)
Metal Box	28 x 28 x 7.6 cm (11 x 11 x 3 in.)

Unique Panel Capabilities

Bus Design

The design of the EVOHD bus architecture is built for speed. The panel's digiplex bus is fully compatible with a variety of Paradox products designed specifically for Digiplex.

Reliability

Aimed at providing a continuous power flow, maximum power flow of 2000 mA ensures sufficient power is available for all devices particularly for larger installations.

Zones are Zones

No need to forego home automation for a security zone. The EVOHD supports the security functions of the installation as well as automated PGM activation. Only consumed input is assigned to zones and key switches, whereby unused module inputs do not use up zones.

Easy Installation and Expansion

Installation can be deployed module by module. The Plug and Play functionality from 4-wire bus use simplifies installation and expansion. All bus modules, including motion detectors, can be programmed remotely via a keypad or by deploying Paradox Babyware upload/download software.

Full System Integrity

Separate tamper switch input ensures the control panel is protected. Sabotage-proof technology without additional wiring is incorporated into the design of all new Paradox products deployed with the EVOHD.

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