

Protector

Intrusion Detection System (IDS)

DS-PCU-IDS Rev A

CINCH



Fully Encrypted for high-security applications

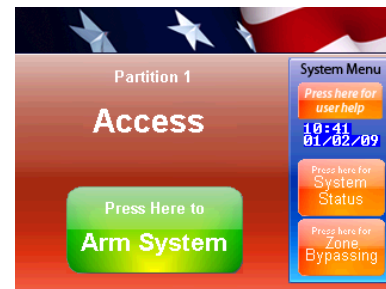
The Protector Intrusion Detection System delivers advanced AES encrypted protection for both new and existing high security alarm installations. Protector's CeLAN expansion provides secure 128-bit AES encrypted communication between all CeLAN devices connected to the system. Utilizing CeLAN sensors the system provides that secure communication all the way into the sensor to protect against system tampering.

Features

- Eight general purpose inputs
- Supports up to 256 supervised, hard-wire zones
- 12 pre-defined zone configurations
- 8 partitions
- Up to 252 definable access codes
- 12VDC 5 Amp auxiliary power output
- Dual CeLAN ports, supports up to 100 devices
- 6000 event buffer with time and date stamp
- Field upgradeable software
- Modular design for easy expansion
- CeLAN expansion – Fiber Optics or TCP/IP
- Scrambled keypad for high security applications
- Encrypted receiver – full system reporting
- High efficiency power supply
- 2 on-board relays – full conditional programming
- Scheduled arming
- 12 or 24 hour clock display
- User and installer help menus
- Auto daylight savings option
- Each zone capable of reporting the following:
 - Open circuit
 - Short circuit
 - Ground fault high
 - Ground fault low
- Configurable to an Instant 24 Zone system
- Print all or selectable items
- Real time battery voltage and current readings
- Supports up to 3 back-up batteries (54 Ahr)

Industry's most secure intrusion detection system, yet simple to install, and operate

- Simple Touch Screen Operation
- Auto device enrollment
- Easy arm/disarm features



Protector Intrusion Detection System

Specifications

Power Requirements: 24 VAC nominal (16.0 VAC minimum, 35 VAC maximum), Rated output current is only available at 24 VAC or above. Limited output current is available at 16.0 VAC minimum. Operating below 24 VAC Nominal is intended for short term emergency operation only.

Output Power: 10-14 VDC @ 5A Max, 2.5A Standby

Maximum battery charging (standby): 1.5 A

CINCH Stick Port: One (1) - 128 Bit AES Encrypted, CINCH Stick port.

Inputs: Eight supervised, hardwired zones, 3.0 K ohm

Outputs: Two, panel programmable outputs with "Form C" relay contacts (COMMON, N/C, N/O). Relay contacts rated 4A @ 24 VDC, 4A@24VAC, 1A@40VAC maximum.

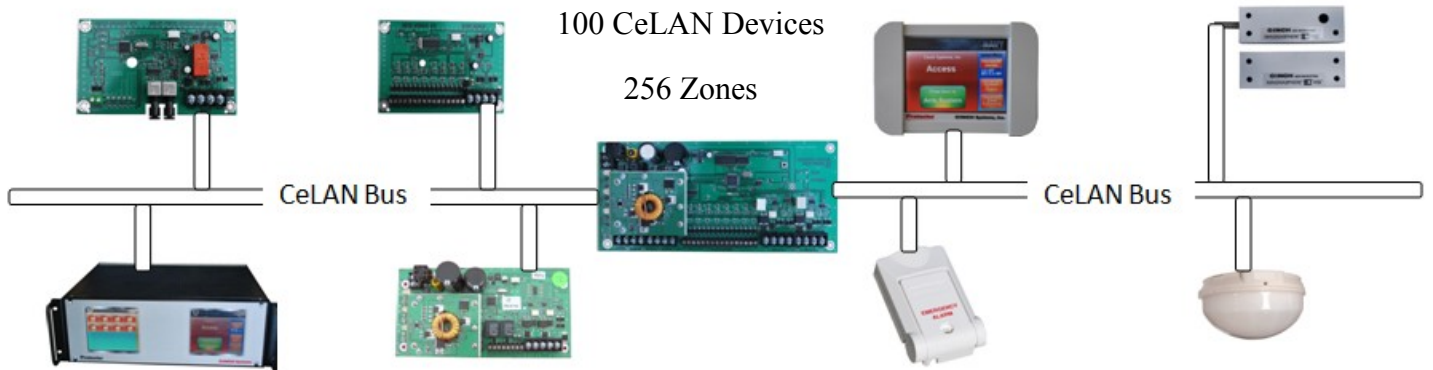
Operating Temperature: 32° to 120° F (0° to 49° C), up to 140° F (60° C) under temporary conditions

Maximum Humidity: 90% relative humidity

Listings: UL 1076

FCC Part 15

FIPS 197 Cert # 1125



Panel Data Bus: CeLAN - 128 Bit AES Encrypted, two electrically independent, CeLAN data buses with a maximum of 100 devices total.

Ordering:

Control Panel
PCU-IDS Protector Panel

Touch Screen
Ce-TS Touch Screen

Expansion Modules
Ce-2ZI 2 Zone Input
Ce-8ZI 8 Zone Input
Ce-4RO 4 Relay Output
Ce-24ZI 24 Zone Input

Communication Modules
Ce-FC-N Fiber Conversion
Ce-TCP/IP Network Module
Ce-FC-ER Fiber Conversion

CeLAN Modules
Ce-DS938Z Motion
Ce-DS308 Motion
Ce-DSISC Motion
Ce-M3ZS HSS L2 Contact
Ce-M1ZRS Recessed Contact
Ce-1076DRS Recessed Contact
Ce-1076HRS Recessed Contact
Ce-U1Z Universal 1 Zone
Ce-WF2ZI Wellsfargo Contact
Ce-U2Z Universal 2 Zone

Receivers
Ce-AESR-IDS AES Receiver

CeLAN Accessories
CO-CSU Cinch Stick
CO-PS2KI Keyboard Module
CO-T-P Panel Tester
CO-T-8Z 8 Zone Tester
CO-T-4R 4 Relay Tester
CO-T-Printer Printer Tester
CO-PRSI Siren Supervision
Ce-EX Expansion Module

Power
ACC-24T-100 Transformer
ACC-B12-18 18Ahr Battery
ACC-B12-7 7Ahr Battery
ACC-6P Power Cord
E-CB Termination Box

Accessories
L-M-KD Panel Lock
L-M-KA Panel Lock
ACC-CFC-S Fiber Cable
L-S Standard Panel Lock
ACC-CFC-MM Fiber Cable
S-ET Panel Tamper

Enclosures
E-P Panel Enclosure
E-P-Kit
E-CP Plastic Enclosure
E-PA Accessory Enclosure
E-PA-Kit
E-PA-S Small Accessory Enclosure
E-PA-S-Kit

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