

CeLAN

4 Relay Output Module

DS-Ce-4RO Rev A

The CeLAN 4-Relay Output Module allows for the addition of up to 4 additional programmable relay outputs and 2 additional supervised hardwired zones. Each module includes mounting hardware and two 3.0K ohm end-of-line (EOL) resistors. Power for the module is provided by the Protector Panel, CeLAN Remote Power Module, or other approved 12 VDC power source capable of providing at least 180 mA.

Protector systems can be expanded to a total of 100 programmable output relays. The Protector panel allows for very powerful yet easy to program output control logic.

Both normally open and normally closed detectors can be wired to the module input. Using an EOL resistor on each loop input, the module monitors all zones and alerts the panel if there is a change of state in the circuit.



Applications:

- Remote system status
- Camera control
- Trigger remote devices
- HVAC shutdown
- Lighting control
- Door control/release
- Exterior siren
- Zone indicator

Features

- AES Encrypted CeLAN communications
- Five (5) state zones:
 - Open Circuit
 - Supervised Circuit (3k EOL)
 - Short Circuit
 - Ground Fault High
 - Ground Fault Low
- ‘CINCH Stick’ Field Upgradable software
- Includes Accessory Hardware kit
- Mounts inside Protector or Protector Accessory Enclosures,

- Four (4) Form C (dry contact) output relays rated 4A @ 24 VDC, 4A @ 24 VAC, 10A @ 28 VAC maximum.
- Two (2) fully supervised input zones

Ordering Information:

Part #: Ce-4RO includes two 3.0K ohm resistors, and mounting hardware

Mounting Considerations:

E-P Protector Enclosure - 3 modules

E-PA Accessory Enclosure - 2 modules (if a Ce-RP with transformer is installed only 1 module will fit)

E-PA-S Small Enclosure - 1 module

CeLAN 4 Relay Output Module

Specifications

Power Requirements:

Input: 12 VDC (10 VDC min, 14 VDC max)
Output: N/A
Current Draw: 25 mA max

Dimensions: 8.26" x 5.24" (LxW)

Environmental:

Operation Temp: 32 to 120 F (0 to 49 C)
Humidity: 90% relative humidity
Storage Temp: -30 to 140 F (-34 to 60 C)

Inputs: 2 hardwired supervised inputs

CeLAN Devices per System: 100

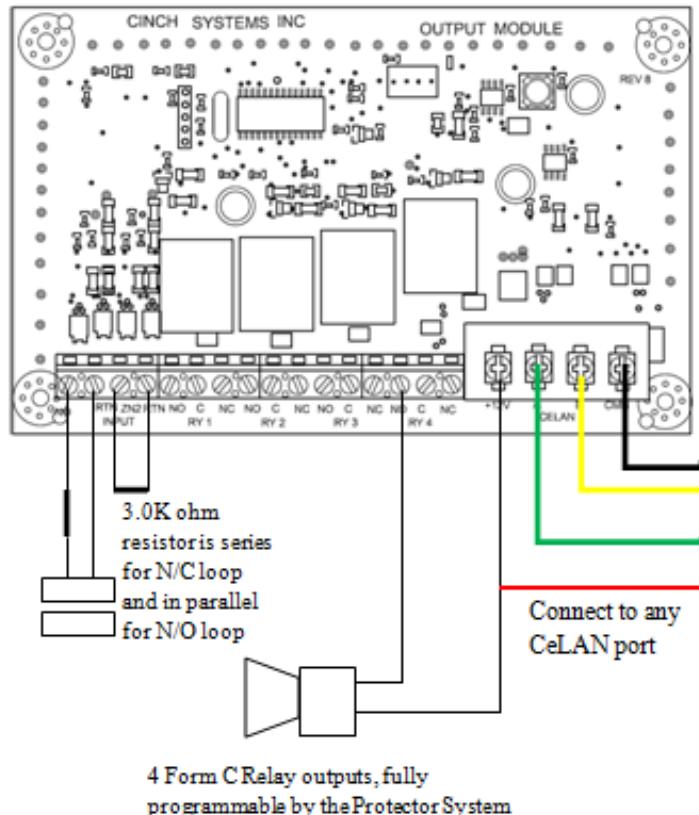
Supervision: 3K Ohm Resistor

Accessories:

Large metal enclosure: E-P
Small metal enclosure: E-PA-S
Medium metal enclosure: E-PA
Plastic enclosure: E-CP

Listings:

UL: 1076
FCC: Part 15
FIPS 197



4 Form C Relay outputs, fully programmable by the Protector System

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 Battery
ACC-B12-7 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 Panel Lock
ACC-CFC-MM Fiber Cable
S-ET Panel Tamper

Enclosures
E-P Panel Enclosure
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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