



Datasheet

A/C Copper Patrol (PL-C1000-CPT)

Description

The ProLon C1000 CPT is a controller designed to prevent copper theft from commercial or residential air conditioning systems. By monitoring refrigerant pressure and A/C unit voltage, A/C Copper Patrol is the best solution for the ever-increasing crime of coil theft for scrap copper. It is designed to stop a thief as early as possible to minimize damage and protect the equipment.

Features

- Monitors refrigerant pressure (dry contact or 0.5 to 4.5V signal)
- Monitors A/C unit voltage
- Blinking Intrusion Light to deter theft before it happens
- Output can be tied into existing alarm systems
- Wired or wireless connections to annunciator (strobe and siren)
- Does not interfere with maintenance to the air conditioning system
- Email based alerts available when connected to a ProLon network controller
- Does not void factory warranty of A/C equipment
- Works with any A/C system: 208/230 or 460/480 Volt Single or Three Phase

Technical Specifications

Supply: 24 VAC $\pm 10\%$, 50/60 Hz, Class 2

Power: 2 VA (consumption), 32 VA (input)

Inputs: A/C unit voltage – dry contact
Maintenance switch – dry contact
Ref Pressure – contact or 0.5-4.5V

Digital output: 2 triac outputs, 10-30 VAC source or dry contact, 300 mA max (resettable fuse)

Indication lights (LED): State of output / Communication / Power / State of microprocessor

Microprocessor: PIC18F6722, 8 bits, 40 MHz, 128KB FLASH memory

Casing: Molded ABS, UL94-HB

Communication: Modbus RTU (RS485), up to 127 nodes

Baud rate: 9600, 19200, 38400, 57600, 76800, 115200

Connection: Removable screw-type terminal blocks (16 AWG max) and RJ45 modular jack

Dimensions: 6.5" x 5.3" (165 mm x 135 mm)

Environment: 32-122 °F (0-50 °C) Non-Condensing

Certification: RoHS, FCC part 15: 2012 class B