CopperWatcher

Air Conditioning Copper Theft Solution

Air Conditioning Theft Device

Engineer and Architect Specifications

Detects theft by monitoring vulnerable connections compromised through vandalism.

-Monitors supplied and applied voltage

-Monitors Refrigerant pressure

-Fully supervised and tamper proof

-Durable design NEMA 4 enclosure

-Two (2) wire or wireless operation

-208/230/460/480 volt operation
Single and three phase

-50/60 HZ.

MODEL # CW3

Introduction

CopperWatcher™ targets the connections thieves' compromise to steal an air conditioner with unsurpassed reliability. Typically the first thing a thief does before stealing the unit is shut down the high voltage power at the disconnect located next to the A/C. CopperWatcher™ supervises power at the A/C disconnect and sounds the existing alarm systems loud siren when it is shut off drawing attention to the would-be thieves. CopperWatcher™ is intelligent enough to tell the difference between a purposeful shut down and a local power outage, and will not send a "false alarm" to the security panel. Saving a possible fine with the local authorities and the nuisance the audible alarm will cause.

Description

The CopperWatcher ™ enclosure is constructed of durable lexan material that is smooth finish grey in color with a weather and UV resistant informational/warning label attached. The enclosure should be mounted in the vertical position requiring a ¾" mounting hole in the air conditioning safety disconnect switch. ½" knock out is located at the bottom of the enclosure for control and alarm wire access.

The CopperWatcher ™ provides a normally closed loop with alarm connection points located within the enclosure. High voltage connections are made within the enclosure and air conditioning safety disconnect. The pressure sensor attaches to the liquid refrigerant service gauge port.
The CopperWatcher ™ monitors supplied and applied voltage as well as refrigerant pressure. If the applied voltage is lost, a sensor opens and the supervised signal is disrupted, activating the installed alarm system. If the supplied voltage is lost, the CopperWatcher ™ automatically switches to "fail safe" mode and will not open the supervised signal. "Fail safe" mode will not cause a false alarm at the installed alarm system. The pressure sensor monitors refrigerant pressure and will open the supervised signal to the installed alarm system during a pressure loss situation. In the event of pressure loss, the installed alarm system is activated.
The existing siren must be located close to the installed CopperWatcher ™ unit.
The CopperWatcher ™ is compatible with all alarm systems that are capable of monitoring a closed loop, supervised, or non-supervised loop.