# Power on the 802.3 connection July 11th & 12th, 2000

Power, Detection and Discovery

over the

Existing Ethernet Wiring

By CMS Technologies

### Power on the 802.3 connection

#### Characteristics of Method

Low Energy and Low Frequency

Either Pair and Either Location

Common and Differential Modes

Physical ID mirrors (and extends) logical MAC

No Logical dependencies - 100% Physical

No Gaps in Physical Control

# Power on the 802.3 connection System Description

Current Loop

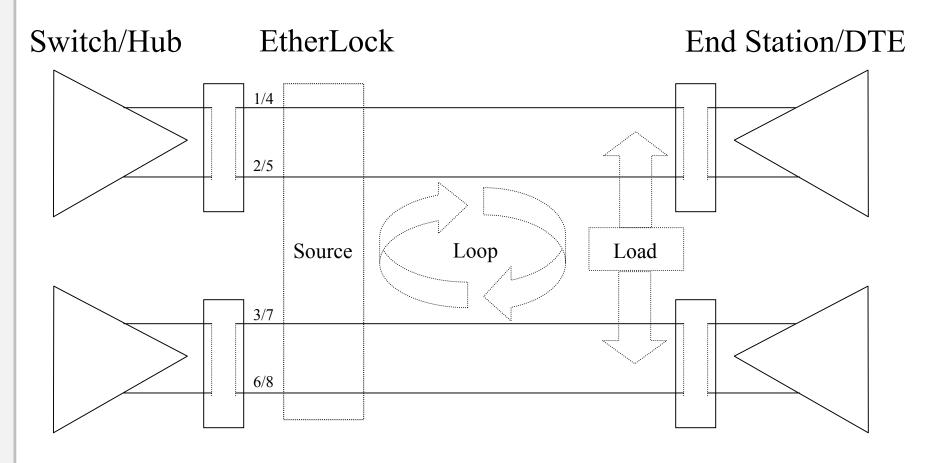
**Power Source** 

**Detector Circuitry** 

Optional ID Circuitry

### Power on the 802.3 connection

**System Description** 



# Power on the 802.3 connection Demonstration of System

EtherLock - Connection Integrity

EtherLock ID - DTE Identification

EtherLock Peripherals - DTE Operation

## DOCKET

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