

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

### Power, Detection and Discovery

### over the

### Existing Ethernet Wiring

By CMS Technologies

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### 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

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### Power on the 802.3 connection System Description

Current Loop

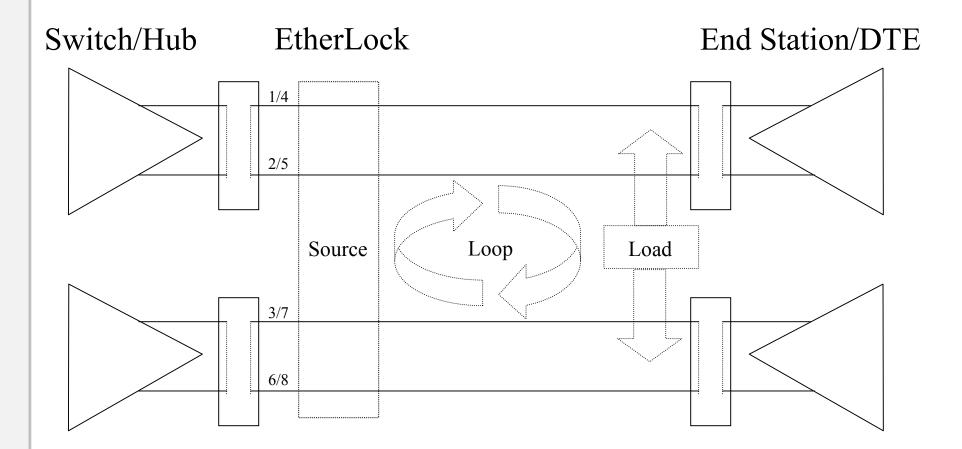
Power Source

**Detector Circuitry** 

**Optional ID Circuitry** 

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### 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

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