



## Features

- Real Time Operation
- Displays System Dimmers
- Measures Dimmer Loads
- Indicates Line Voltage
- Monitors Phase Power
- Identifies Systems Faults
- VGA Color Coded Display
- Operates over "Standard" DMX controls

## Dynamic Information System



## Description

The Dynamic Information System (DIS) is a real-time system monitor with the capacity to update and alert the operator to the status of the Mark VII or MX System. Information about the system is communicated over the second DMX pair and presented on a VGA monitor. The color-coded display enhances the presentation by highlighting actions through color and directing operator attention to specific areas of the screen.

### Level and Load Information

The layout for the Dynamic Information System is based on a traditional dimmer field, with DMX level, load wattage, and any faults displayed. As DMX levels change, the monitor will display updates in both the level and wattage consumed on every active dimmer in the system. Dimmers without loads and dimmers without power are identified automatically.

### Highlight a Problem When It Happens

The Dynamic Information System is designed to identify system problems in real-time. Upon 'fault' detection, the fault display window will indicate the fault and suggest a remedy. The system identifies the 'fault' condition in red.

### Actual Load Calculations

Dynamic Information System also calculates electrical power consumption. The display updates the total amps per phase and shows the consumption on a per phase basis, adjacent to the line voltage information. The calculations for the actual consumption is updated continuously.

### A Real Power Monitor

The Dynamic Information System monitors system power as well. The display highlights the line voltage present on each phase of power in the system. A normal power range is displayed in green.

A power variation outside the normal range is displayed in amber, with severe under- or over-voltages displayed in red.

### Order Information:

- Dynamic Information System
- VGA Color Monitor
- DIS Custom

### Power:

- 120 VAC
- 220 VAC

### Options:

- 1-1024 Dimmers

JOB NUMBER:

APPROVAL STAMP

JOB NAME:

CUSTOMER:

P. O. #

## Fault Conditions:

*D.I.S. identifies the following:*

- OVERTEMP:** Too much heat generated at load.
- STUCK ON:** Solid state output controller failed ON.
- HALF WAVE:** One side of output controller failed.
- SHUT DOWN:** System detected an error/short circuit.
- \*FOCUS MODE:** Focus switch has been selected at load.

\*NT 95 only

## Load Conditions:

*D.I.S. identifies the following:*

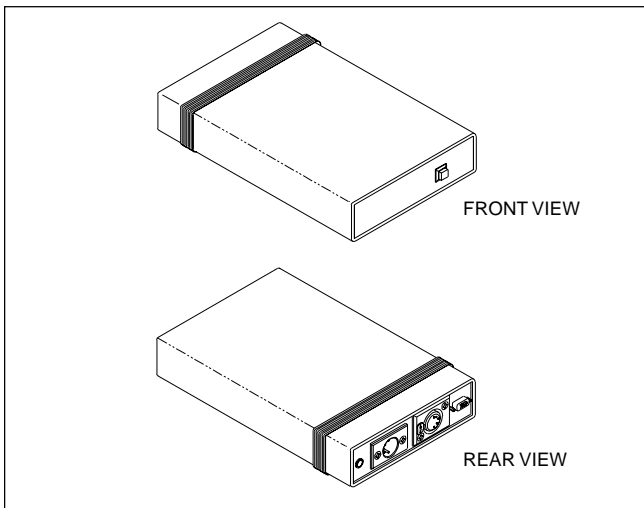
- ACTIVE LOAD:** Connected load.
- CB TRIP:** The power circuit breaker is OFF.
- NO LOAD:** No load is connected to the output.

## Power Conditions:

*D.I.S. identifies the following:*

- LINE VOLTAGE:** Connected line voltage per phase.
- AMPERAGE:** Calculated per phase.

## D. I. S. Receiver



## Physical Characteristics:

- 6.25" W x 9.87" D x 1.62" H (15.8cm x 25.0cm x 4.1cm)
- Reinforced, insulated Plastic Case
- .080 Aluminum End Panels
- Silk screened Graphics and Legends

## Electrical Characteristics:

- External Power Transformer: 120VAC to 9VDC at 300 ma

## Mechanical:

- VGA Monitor Connector
- Push Button Page Selector
- XLR 5-pin Input Connector

## Display:

- Standard VGA Color Monitor
- VGA Monitor Cable, 36" (91.4cm)
- 120VAC Powered Independently

