Cat Series Color Vision Addendum

Setup / Operation Manual

CATVHFXXXXC

Select
Engineered
Systems, Inc.

Y2K Compliance Statement

Cat Series Control Access Equipment is designed to be used prior to, during, and after the calendar year 2000 A.D., and Cat Series Control Access Equipment will operate during each such time period without error relating to date data, specifically including any error relating to, or the product of, date data which represents or references different centuries or more than one century.

Cat Series Control Access Equipment will not abnormally end or provide invalid or incorrect results as a result of date data, specifically including date data which represents or references different centuries or more than one century;

Cat Series Control Access Equipment has been designed to ensure year 2000 compatibility, including, but not limited to, date data century recognition, calculations which accommodate same century and multi-century formulas and date values, and date data interface values that reflect the century;

This statement should not be taken to mean that Cat Series Control Access Equipment corrects any errors generated by your computer, it's BIOS (Basic In Out System), or your operating system or any other program or auxillary equipment attached to the Cat Series Control Access Equipment that you have or use.

Definitions

Four Digit Year Format

shall mean a format that allows entry or processing of a four digit year date: the first two digits will designate the century and the second two digits shall designate the year within the century. As an example, 1996 shall mean the 96th year of the 20th century.

Leap Year

shall mean the year during which an extra day is added in February (February 29th). Leap Year occurs in all years divisible by 400 or evenly divisible by 4 and not evenly divisible by 100. For example, 1996 is a Leap Year since it is divisible by 4 and not evenly divisible by 100. 2000 is a Leap Year since it is divisible by 400.

Year 2000 Compliant

shall mean that the data outside of the range 1990-1999 will be correctly processed by Selcom 2000 including application programs, files and databases.

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Cat Color Module Assembly

Introduction to the Color Vision Module

The Select Engineered Systems Cat Series Color Vision Module.

The Cat Series Color Vision Module operates as a exchange unit for the Monochrome Vision Unit. The module replaces the CPU board, the CTL Board and the Display.,with the communication sent through a RS485 three wire loop from a CAT SERIES Vision Unit ONLY.

The Cat Series Color Vision Module is constructed as a complete Module that is attached in place of the Display. The module is a complete display unit that contains a CPU / CTL module and an Interface / Power Supply module.

The Cat Series Color Vision Module contains a power selector for servicing the assembly and a Color selecting switch. These selecting means set the background and character colors of the display.

The Cat Series Color Vision Module requires power at 16.5VAC and is supplied directly from the standard Cat Vision 16.5VAC / 50VA Transformer.

Module Description

The Interface / Power Supply module supplies power for the entire color vision module. It also provides the interface connections between the CAT main board and the CPU/CTL module.

The Interface / Power Supply module has two red LED's located on the board, located to the left of the furthest 1" x 2" Module. When they are 'On', they indicate that the 5 volt and 12 volt power supplies are active. Both Supplies must be on for the color vision display to function properly.

The CPU/CRTL module contains a CPU, the firmware to control the system and the hardware to control the LCD screen. The CPU is fan cooled. Care should be taken during installation to ensure that any field additions or wiring does not interfere with the fan operation.

Servicing the Color Module

Maintenance

The Cat Series Color Vision Module should be kept clean and dry. Inspect the fan on the CPU/CTL module and ensure it is clean and functioning. If this is a unit with the outdoor option, ensure the two cabinet fans and grills are clean and functioning. Inspect the door gaskets and ensure a proper seal is maintained.

There are no field serviceable parts in the Cat Series Color Vision Module. Technical Support can assist you with a diagnoses, should you have difficulty with the unit.

Manual Data Entry

Data Entry from the keypad is NOT supported. All changes to the data should be accomplished using a terminal connection or Selcom Software through an optional serial I/O card or optional modem.
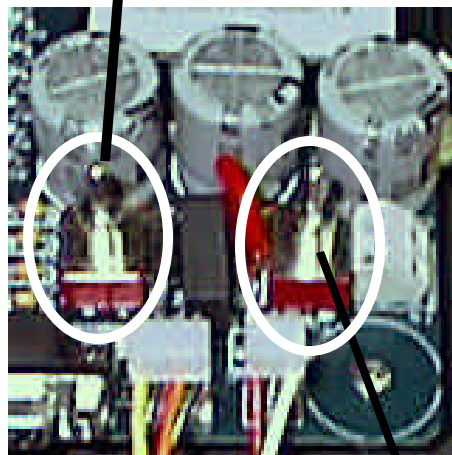
Changing Colors

Standard Features for Cat Series Color Vision Module.

The Cat Series Color Vision Module incorporates field changeable screen colors. To change screen colors, open the Color vision Door and locate the color change switch. Pull the switch forward to the 'On' position. Close the door and using the 'Up' and 'Down' pushbuttons, change the Background and Character color combinations in rotation, to the selection desired . Open the door and move the Color change selector to the 'Off' position. The changes are automatically stored.

Change Screen
Colors Selector

Switch Locations on the
Interface / Power Supply
module.

Display Color Selections	
Back-ground	**Character**
Use Down Display Button	Use Up display button
Black	Black
Brown	Brown
Red	Red
Orange	Orange
Yellow	Yellow
Green	Green
Blue	Blue
Violet	Violet
Grey	Grey
White	White

Power Selector

Forward or Up is "On'

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CPU Cooling Fan
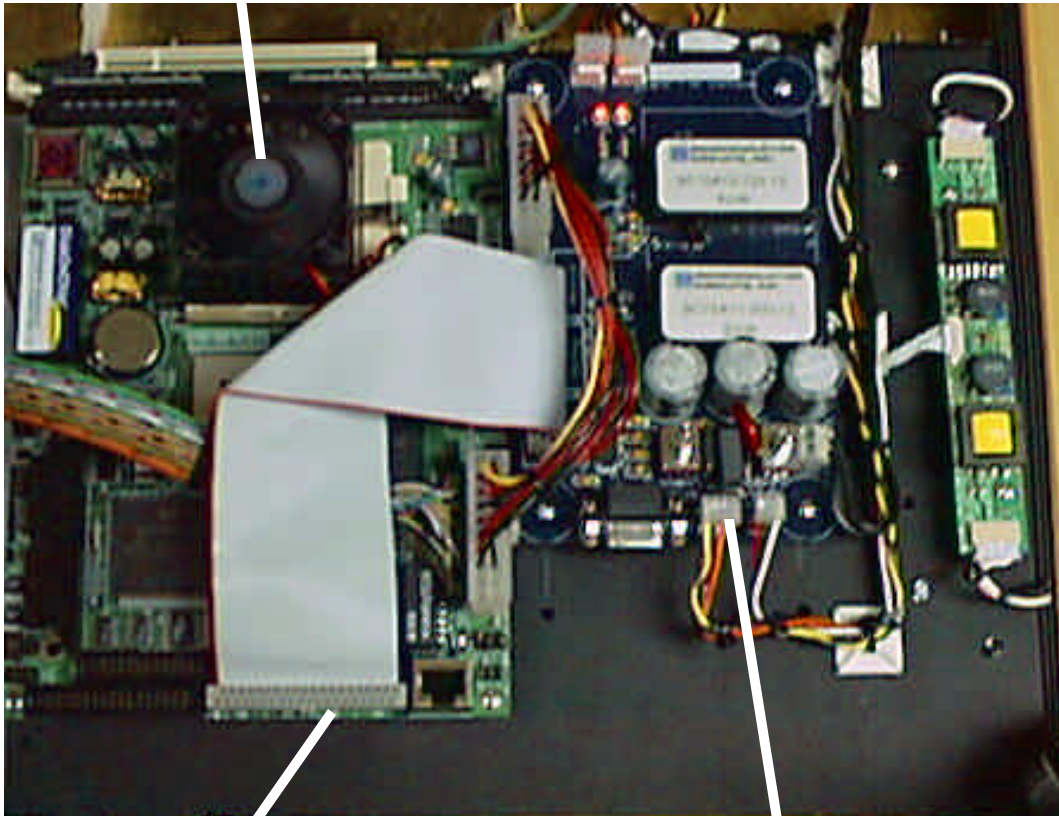
**CPU/CTL
Module**

**Interface / Power
Supply/ Module**

"BETTER TECHNOLOGY MAKES BETTER SYSTEMS"

01/02

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