

32. The method of claim 14 wherein said target bulb luminance includes a target range, wherein said target range is selected by an operator.

33. The method of claim 32 wherein said target range is selected by an operator from a plurality of choices.

34. The method of claim 33 wherein said plurality of choices include nighttime mode, normal mode, sunlight mode and manual mode.

35. The method of claim 14 wherein said adjusting includes:

increasing said exhaust fan speed in response to said actual backlight chamber temperature being greater than said target backlight chamber temperature;

increasing said heat sink fan speed in response to said actual backlight chamber temperature being greater than said target backlight chamber temperature and said exhaust fan current attaining a pre-selected maximum level;

decreasing said inverter current in response to said actual backlight chamber temperature being greater than said target backlight chamber temperature, and said exhaust fan current and said heat sink fan current attaining a pre-selected maximum level; and

shutting off power to said monitor in response to said actual backlight chamber temperature being greater than said target backlight chamber temperature, said exhaust fan current and said heat sink fan current attaining a pre-selected maximum level, and said invert current reaching a pre-selected minimum value.

36. The method of claim 14 wherein said adjusting includes:

increasing said heat sink fan speed in response to said actual electronics chamber temperature being greater than said target electronics chamber temperature;

increasing said exhaust fan speed in response to said actual electronics chamber temperature being greater than said target electronics chamber temperature and said heat sink fan current attaining a pre-selected maximum level;

decreasing said inverter current in response to said actual electronics chamber temperature being greater than said electronics chamber temperature, and said exhaust fan current and said heat sink fan current attaining a pre-selected maximum level; and

shutting off power to said monitor in response to said actual electronics chamber temperature being greater than said target electronics chamber temperature, said exhaust fan current and said heat sink fan current attaining a pre-selected maximum level, and said inverter current reaching a pre-selected minimum value.

37. The method of claim 14 wherein said adjusting includes increasing said inverter current in response to said actual bulb luminance being less than said target bulb luminance.

38. The method of claim 14 further comprising:

receiving a request for log data from an I/O device; and

sending said log data to said I/O device.

39. The method of claim 14 further comprising:

receiving a request for said actual data from an I/O device; and

sending said actual data to said I/O device.

40. The method of claim 14 further comprising:

receiving a software upgrade for said controller; and

updating said controller with said software upgrade.

41. The method of claim 14 further comprising:

receiving a command that includes a new monitor performance configuration; and

adjusting said monitor settings in response to said configuration.

42. A system for controlling a backlit liquid crystal display, said system comprising:

a backlit liquid crystal display;

a network connected to said liquid crystal display;

a server connected to said network; and

a database connected to said server.

43. The system of claim 42 wherein said server executes software to perform functions that include collecting log data from said display and analyzing said log data.

44. The system of claim 43 wherein said analyzing said log data includes performing predictive fault analysis.

45. The system of claim 44 wherein said analyzing said log data further includes scheduling service actions for said monitor in response to said predictive fault analysis.

46. The system of claim 43 wherein said software functions further include sending commands to said monitor in response to said analyzing said log data.

47. The system of claim 42 wherein said network is the Internet.

48. The system of claim 42 wherein said network is an intranet.

49. The system of claim 42 wherein said database includes log data from said monitor.

50. The system of claim 42 wherein said backlit liquid crystal display executes software that implements a method comprising:

receiving target data including target electronics chamber temperature, target backlight chamber temperature, and target bulb luminance;

receiving actual data including actual electronics chamber temperature, actual backlight chamber temperature, actual bulb luminance, heat sink fan status and current, exhaust fan status and current, and inverter status and current;

adjusting the monitor settings in response to said target data and said actual data, said adjusting including:

setting input current to said inverter;

setting said heat sink fan speed; and

setting said exhaust fan speed; and

sending a notification in response to said target data, said actual data and said adjusting.

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