What is claimed is:

1. An apparatus for connecting an electronic device to an electrical power source, comprising:

a power connector configured and adapted to removably connect to and receive electrical energy form an electrical power source;

a device connector configured and adapted to removably connect to and deliver electrical energy to an electrical power receptacle of an electronic device;

a switch connected to the power connector and the device connector, the switch including

a connected condition wherein the power connector is electrically connected to the device connector, and

a disconnected condition wherein the power connector is electrically disconnected from the device connector;

a pneumatic connector configured and adapted to removably connect to and draw gas from a port of an electronic device;

a moisture detector connected to the switch; and

a pump connected to the pneumatic connector and the moisture detector, the pump configured and adapted to move gas from the pneumatic connector to the moisture detector;

wherein the disconnected condition of the switch is maintained when

the power connector is connected to an electrical power source,

the device connector is connected to an electrical power receptacle of an electronic device,

the pneumatic connector is connected to a port of the electronic device, and

the moisture detector detects moisture in the gas from the pneumatic connector exceeds a first predetermined threshold; and

wherein the connected condition of the switch is maintained when

the power connector is connected to an electrical power source,

the device connector is connected to an electrical power receptacle of an electronic device,

the pneumatic connector is connected to a port of the electronic device, and

the moisture detector detects moisture in the gas from the pneumatic connector does not exceed a second predetermined threshold.

2. The apparatus of claim 1, wherein the moisture detector detects water vapor, and wherein the first and second thresholds are water vapor thresholds.

3. The apparatus of claim 1, wherein the moisture detector detects humidity, and wherein the first and second thresholds are humidity thresholds.

4. The apparatus of claim 1, comprising:

a sensor configured and adapted to detect when the device connector is connected to an electrical power receptacle of an electronic device, wherein the disconnected condition of the switch is maintained when the sensor has not detected a connection between the device connector and an electrical power receptacle of an electronic device.

5. The apparatus of claim 1, wherein the moisture detector detects moisture in the ambient air, and wherein the determination of whether the moisture detector detects moisture in the gas from the pneumatic connector does not exceed a second predetermined threshold includes a comparison of the moisture measured in the ambient air and the moisture measured in the gas from the pneumatic connector.

6. The apparatus of claim 1, comprising:

a sensor configured and adapted to detect when the device connector is connected to an electrical power receptacle of an electronic device, wherein the disconnected condition of the switch is maintained when the sensor has not detected a connection between the device connector and an electrical power receptacle of an electronic device; and

an interrupter connected to the device connector, the interrupter configured and adapted to interrupt the flow of electrical energy from a power storage member in the electronic device to which the device connector is connected to other portions of the circuitry in the electronic device to which the device connector is connected when the moisture detector detects moisture in the gas from the pneumatic connector exceeds a third predetermined threshold;

wherein the moisture detector detects water vapor, and wherein the first and second thresholds are water vapor thresholds, and

wherein the moisture detector detects water vapor in the ambient air, and wherein the determination of whether the moisture detector detects water vapor in the gas from the pneumatic connector does not exceed a second predetermined threshold includes a comparison of the water vapor measured in the ambient air and the water vapor measured in the gas from the pneumatic connector.

7. The apparatus of claims 1, 2, 3, 4, 5 or 6, comprising:

an interrupter connected to the device connector, the interrupter configured and adapted to interrupt the flow of electrical energy from a power storage member in the

electronic device to which the device connector is connected to other portions of the circuitry in the electronic device to which the device connector is connected when the moisture detector detects moisture in the gas from the pneumatic connector exceeds a third predetermined threshold.

8. The apparatus of claim 7, wherein the first predetermined threshold and the third predetermined threshold are the same.

9. The apparatus of claim 7, wherein the first predetermined threshold and the third predetermined threshold are different.

10. The apparatus of claims 1, 2, 3, 4, 5 or 6, wherein the pneumatic connector and the device connector are configured and adapted to connect to the same port of an electronic device.

11. The apparatus of claims 1, 2, 3, 4, 5 or 6, wherein the pneumatic connector and the device connector are configured and adapted to connect to different ports of an electronic device.

12. The apparatus of claims 1, 2, 3, 4, 5 or 6, wherein the disconnected condition of the switch is maintained when the moisture detector is malfunctioning.

13. The apparatus of claims 1, 2, 3, 4, 5 or 6, wherein the first predetermined threshold and the second predetermined threshold are the same.

14. The apparatus of claims 1, 2, 3, 4, 5 or 6, wherein the first predetermined threshold and the second predetermined threshold are different.

15. An apparatus, comprising:

an electrical connector configured and adapted to connect to an electrical power source and to the power input circuitry of an electronic device, the electrical connector having

a connected state, wherein the electrical power source is connected to the power input circuitry of an electronic device, and

a disconnected state, wherein the electrical power source is disconnected from the power input circuitry of an electronic device;

a moisture detector connected to the electrical connector; and

a pump configured and adapted to move gas from within an electronic device to which the electrical connector is connected to the moisture detector;

wherein the electrical connector is maintained in the disconnected state when the moisture detector detects moisture in a gas from within an electronic device to which the electrical connector is connected is greater than or equal to a first predetermined threshold; and

wherein the electrical connector is maintained in the connected state when the moisture detector detects moisture in a gas from within the electronic device to which the electrical connector is connected is less than a second predetermined threshold.

16. The apparatus of claim 15, wherein the electrical connector, the moisture detector, and the pump are located within the electronic device to which the electrical connector is connected.

17. The apparatus of claim 15, wherein the electrical connector, the moisture detector, and the pump are located within a device configured and adapted to removably connect to an electronic device.

18. The apparatus of claim 17, comprising:

a pneumatic connector configured and adapted to removably connect to and draw gas from a port of an electronic device.

19. The apparatus of claim 18, wherein the pneumatic connector and the electrical connector are configured and adapted to connect to the same port of an electronic device.

20. The apparatus of claim 18, wherein the pneumatic connector and the electrical connector are configured and adapted to connect to different ports of an electronic device.

21. The apparatus of claim 17, wherein the electrical connector includes a standard electrical power connector for connecting the device to a source of electrical power.

22. The apparatus of claim 15, wherein the first predetermined threshold and the second predetermined threshold are the same.

23. The apparatus of claim 15, wherein the first predetermined threshold and the second predetermined threshold are different.

24. The apparatus of claims 15, 16, 17, 18, 19, 20, 21, 22 or 23, wherein the disconnected state of the electrical connector is maintained when the moisture detector is malfunctioning.

25. The apparatus of claims 15, 16, 17, 18, 19, 20, 21, 22 or 23, wherein the moisture detector detects water vapor, and wherein the first and second predetermined thresholds are water vapor thresholds.

26. The apparatus of claims 15, 16, 17, 18, 19, 20, 21, 22 or 23, wherein the moisture detector detects humidity, and wherein the first and second predetermined thresholds are humidity thresholds.

27. The apparatus of claims 15, 16, 17, 18, 19, 20, 21, 22 or 23, comprising:

a sensor configured and adapted to detect when the electrical connector is connected to the power input circuitry of an electronic device, wherein the disconnected state of the electrical connector is maintained when the sensor has not detected a connection between the electrical connector and the power input circuitry of an electronic device.

28. The apparatus of claims 15, 16, 17, 18, 19, 20, 21, 22 or 23, wherein the moisture detector detects moisture in the ambient air, and wherein the determination of whether moisture in a gas from within the electronic device to which the electrical connector is connected is less than a second predetermined threshold includes a comparison of the moisture measured in the ambient air and the moisture measured from within the electronic device to which the electrical connector is connected.

29. The apparatus of claims 15, 16, 17, 18, 19, 20, 21, 22 or 23, comprising:

an interrupter connected to the electrical connector, the interrupter configured and adapted to interrupt the flow of electrical energy from a power storage member in the electronic device to which the electrical connector is connected to other portions of the circuitry in the electronic device to which the electrical connector is connected when the moisture detector detects moisture in a gas from within an electronic device to which the electrical connector is connected is greater than or equal to a third predetermined threshold.

30. The method of claim 29, wherein the first predetermined threshold and the third predetermined threshold are the same.

31. The method of claim 29, wherein the first predetermined threshold and the third predetermined threshold are different.

32. The apparatus of claims 15, 16, 17, 18, 19, 20, 21, 22 or 23, comprising:

a sensor configured and adapted to detect when the electrical connector is connected to the power input circuitry of an electronic device, wherein the disconnected state of the electrical connector is maintained when the sensor has not detected a connection between the electrical connector and the power input circuitry of an electronic device,

wherein the moisture detector detects water vapor, and wherein the first and second predetermined thresholds are water vapor thresholds, and

wherein the moisture detector detects moisture in the ambient air, and wherein the determination of whether moisture in a gas from within the electronic device to which the electrical connector is connected is less than a second predetermined threshold includes a comparison of the moisture measured in the ambient air and the moisture measured from within the electronic device to which the electrical connector is connected.

33. The apparatus of claim 32, comprising:

an interrupter connected to the electrical connector, the interrupter configured and adapted to interrupt the flow of electrical energy from a power storage member in the electronic device to which the electrical connector is connected to other portions of the circuitry in the electronic device to which the electrical connector is connected when the moisture detector detects moisture in a gas from within an electronic device to which the electrical connector is connected is greater than or equal to a third predetermined threshold.

34. A method, comprising the acts of:

sampling air from within an electronic device;

measuring the amount of moisture in the sampled device air; and

maintaining a disconnection between the source of electrical power and the electronic device when the amount of moisture within the sampled device air exceeds a first predetermined threshold.

35. The method of claim 34, comprising:

maintaining a connection between the source of electrical power and the electronic device when the amount of moisture within the sampled device air does not exceed the second predetermined threshold.

36. The method of claim 34, comprising:

connecting a power interrupter to a source of electrical power and to the electronic device.

37. The method of claim 36, comprising:

determining when said connecting occurs, wherein said maintaining a connection occurs after said determining.

38. The method of claim 34, wherein:

said sampling includes moving air from within the electronic device to a moisture detector; and

said measuring includes measuring the amount of moisture in the sampled device air with the moisture detector.

39. The method of claims 34, 35, 36, 37 or 38 wherein said measuring includes measuring the water vapor in the sampled device air.

40. The method of claims 34, 35, 36, 37 or 38 wherein said measuring includes measuring the humidity in the sampled device air.

41. The method of claims 34, 35, 36, 37 or 38 comprising:

sampling ambient air from outside the electronic device; and

measuring the amount of moisture in the sampled ambient air;

wherein said maintaining a connection between the source of electrical power and the electronic device includes comparing the moisture in the sampled device air to the moisture in the sampled ambient air.

42. The method of claims 34, 35, 36, 37 or 38 comprising:

interrupting the flow of electrical energy from a power storage member in the electronic device to other portions of the circuitry in the electronic device when the amount of moisture within the sampled device air exceeds a third predetermined threshold.

43. The method of claim 42, wherein the first predetermined threshold and the third predetermined threshold are the same.

44. The method of claim 42, wherein the first predetermined threshold and the third predetermined threshold are different.

45. The method of claims 34, 35, 36, 37 or 38 wherein said sampling, measuring, maintaining a disconnection, and maintaining a connection are performed with a power interrupter.

46. The method of claims 34, 35, 36, 37 or 38 wherein the electronic device is inoperative.

47. The method of claim 46, wherein the electronic device is inoperative due to moisture intrusion.

48. The method of claims 34, 35, 36, 37 or 38 wherein said sampling includes decreasing pressure within the power interrupter.

49. The method of claims 34, 35, 36, 37 or 38 wherein the first predetermined threshold and the second predetermined threshold are the same.

50. The method of claims 34, 35, 36, 37 or 38 wherein the first predetermined threshold and the second predetermined threshold are different.

51. The method of claims 34, 35, 36, 37 or 38 comprising:

determining whether the device performing said measuring is malfunctioning, and maintaining a disconnection between the source of electrical power and the electronic device when the device performing said measuring is malfunctioning.

52. The method of claims 34, 35, 36, 37 or 38 wherein said connecting includes connecting an electrical connector of the power interrupter to an electrical port of an electronic device, and connecting a pneumatic connector of the power interrupter to a pneumatic port of an electronic device; and

wherein said sampling air includes sampling air through the pneumatic connector.

53. The method of claim 52, wherein said connecting includes connecting the electrical connector and the pneumatic connector to the same port of an electronic device.

54. The method of claim 52, wherein said connecting includes connecting the electrical connector and the pneumatic connector to different ports of an electronic device.

55. The method of claim 52, comprising:

interrupting the flow of electrical energy from a power storage member in the electronic device to other portions of the circuitry in the electronic device when the amount of moisture within the sampled device air exceeds a third predetermined threshold.

56. An electrical power device configured and adapted to connect to and disconnect from an electronic device, comprising:

an electronic device connector configured and adapted to connect to and disconnect from an electronic device;

a power connector;

a water vapor sensor; and

a switch connected to the electronic device connector, the power connector, and the water vapor sensor;

wherein, when the electronic device connector is connected to an electronic device and the power connector is connected to a source of electrical power,

the water vapor sensor senses the level of water vapor in the electronic device, and

the switch inhibits connection of the power connector to the electronic device connector when the sensed water vapor level from within the electronic device is not below a first threshold.

57. The device of claim 56, wherein the switch connects the power connector to the electronic device connector when the sensed water vapor level from within the electronic device is below a second threshold.

58. The device of claim 56, comprising:

a pneumatic connector configured and adapted to connect to a port of an electronic device; and

a pump configured and adapted to move gas from the pneumatic connector to the water vapor sensor,

wherein, when the electronic device connector and the pneumatic connector are connected to an electronic device and the power connector is connected to a source of electrical power, the pump moves gas from the electronic device to which the pneumatic connector is connected to the water vapor sensor.

59. The device of claim 58, wherein the pneumatic connector and the electronic device connector are configured and adapted to connect to the same port of an electronic device.

60. The device of claim 58, wherein the pneumatic connector and the electronic device connector are configured and adapted to connect to different ports of an electronic device.

61. The device of claims 56, 57, 58, 59 or 60, wherein the water vapor sensor senses the level of water vapor in the ambient air outside the electronic device.

62. The device of claim 61, wherein the determination of whether the sensed water vapor level from within the electronic device is below a second threshold includes a comparison of the sensed water vapor level from within the electronic device and the sensed water vapor level from the ambient air.

63. The device of claims 56, 57, 58, 59 or 60, comprising:

a sensor configured and adapted to detect when the electronic device connector is connected to an electronic device.

64. The device of claim 63, wherein the switch inhibits connection of the power connector to the electronic device connector when the sensor has not detected a connection between the electronic device connector and an electronic device.

65. The device of claims 56, 57, 58, 59 or 60, wherein the power connector is configured and adapted to connect to and disconnect from a power source.

66. The device of claims 56, 57, 58, 59 or 60, wherein the first predetermined threshold and the second predetermined threshold are the same.

67. The device of claims 56, 57, 58, 59 or 60, wherein the first predetermined threshold and the second predetermined threshold are different.

68. The device of claims 56, 57, 58, 59 or 60, wherein the switch inhibits connection of the power connector to the electronic device connector when the water vapor sensor is malfunctioning.

69. The device of claims 56, 57, 58, 59 or 60, wherein the water vapor sensor senses the humidity in the electronic device, and wherein the first and first thresholds are humidity thresholds.

70. The device of claims 56, 57, 58, 59 or 60, comprising:

an interrupter connected to the electronic device connector, the interrupter configured and adapted to interrupt the flow of electrical energy from a power storage member in the electronic device to which the electronic device connector is connected to other portions of the circuitry in the electronic device to which the electrical connector is connected when the sensed water vapor level from within the electronic device is not below a third threshold.

71. The device of claim 70, wherein the first threshold and the third threshold are the same.

72. The device of claim 70, wherein the first threshold and the third threshold are different.

73. The device of claims 56 or 57, comprising:

a pneumatic connector configured and adapted to connect to a port of an electronic device; and

a pump configured and adapted to move gas from the pneumatic connector to the water vapor sensor;

wherein, when the electronic device connector and the pneumatic connector are connected to an electronic device and the power connector is connected to a source of electrical power, the pump moves gas from the electronic device to which the pneumatic connector is connected to the water vapor sensor; and

wherein the determination of whether the sensed water vapor level from within the electronic device is below a second threshold includes a comparison of the sensed water vapor level from within the electronic device and the sensed water vapor level from the ambient air.

74. A method of manufacturing an electrical connector, comprising the acts of:

connecting a moisture sensor to a pneumatic connector, the moisture sensor configured and adapted to detect the level of moisture in a gas, and the pneumatic connector configured and adapted to connect to a port in pneumatic communication with the interior of an electronic device;

connecting a switch to the moisture sensor;

connecting the switch to a power input connector, the power input connector being configured and adapted to connect to and receive electrical power from a power source; and

connecting the switch to a power output connector, the power output connector being configured and adapted to connect to and deliver electrical power to an electrical power port of an electronic device;

wherein the switch maintains an electrical disconnection between the power input connector and the power output connector when the moisture sensor detects a level of moisture in a gas received from the pneumatic connector is at or above a first threshold.

75. The method of claim 74, wherein the switch maintains an electrical connection between the power input connector and the power output connector when the moisture sensor detects a level of moisture in a gas received from the pneumatic connector is below a second threshold.

76. The method of claim 74, comprising:

connecting a pneumatic pump to the moisture sensor and the pneumatic connector, wherein the pump moves gas from the pneumatic connector to the moisture sensor.

77. The method of claim 74, wherein the pneumatic connector and the power output connector are configured and adapted to connect to the same port of an electronic device.

78. The method of claim 74, wherein the pneumatic connector and the power output connector are configured and adapted to connect to different ports of an electronic device.

79. The method of claim 74, wherein the second threshold and the first threshold are the same.

80. The method of claim 74, wherein the second threshold and the first threshold are different.

81. The method of claim 74, wherein the switch maintains an electrical disconnection between the power input connector and the power output connector when the moisture sensor is malfunctioning.

82. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81, wherein the moisture sensor is configured and adapted to detect water vapor; and wherein the second and first thresholds are water vapor thresholds.

83. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81, wherein the moisture sensor is configured and adapted to detect humidity; and wherein the second and first thresholds are humidity thresholds.

84. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81, wherein the pneumatic connector and the power output connector are configured and adapted to connect to and disconnect from one or more external ports of an electronic device.

85. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81, wherein the pneumatic connector is configured and adapted to connect to an internal port of an electronic device and remain connected to the internal port of the electronic device during user operation.

86. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81, comprising:

connecting a connection sensor to the switch, the connection sensor configured and adapted to detect when the power output connector is connected to an electrical power port of an electronic device.

87. The method of claim 86, wherein the switch maintains an electrical disconnection between the power input connector and the power output connector when the connection sensor has not detected a connection between the power output connector and an electrical power port of an electronic device.

88. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81, wherein the moisture sensor is configured and adapted to sense the level of moisture in the ambient air outside the electrical connector and outside an electronic device to which the electrical connector is connected.

89. The method of claim 88, wherein the determination whether the moisture sensor detects a level of moisture in a gas received from the pneumatic connector is below a second threshold includes a comparison of the sensed level of moisture in the ambient air and the sensed level of moisture in a gas received from the pneumatic connector.

90. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81, comprising:

connecting an interrupter to the power output connector, the interrupter configured and adapted to interrupt the flow of electrical power from a power storage member in an electronic device to which the power output connector is configured and adapted to connect to other portions of the circuitry in the electronic device to which the power output connector is configured and adapted to connect when the moisture sensor detects a level of moisture in a gas received from the pneumatic connector is at or above a third threshold.

91. The method of claim 90, wherein the first threshold and the third threshold are the same.

92. The method of claim 90, wherein the first threshold and the third threshold are different.

93. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81, wherein the power input connector is configured and adapted to repeatedly connect to and disconnect from a power source by hand.

94. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81, wherein the power output connector is configured and adapted to repeatedly connect to and disconnect from an electrical power port of an electronic device.

95. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81, comprising:

connecting a connection sensor to the switch, the connection sensor configured and adapted to detect when the power output connector is connected to an electrical power port of an electronic device;

wherein the switch maintains an electrical disconnection between the power input connector and the power output connector when the connection sensor has not detected a connection between the power output connector and an electrical power port of an electronic device, and

wherein the moisture sensor is configured and adapted to sense the level of moisture in the ambient air outside the electrical connector and outside an electronic device to which the electrical connector is connected.

96. The method of claim 95, wherein the determination whether the moisture sensor detects a level of moisture in a gas received from the pneumatic connector is below a second threshold includes a comparison of the sensed level of moisture in the ambient air and the sensed level of moisture in a gas received from the pneumatic connector.

97. The method of claim 96, comprising:

connecting an interrupter to the power output connector, the interrupter configured and adapted to interrupt the flow of electrical power from a power storage member in an electronic device to which the power output connector is configured and adapted to connect to other portions of the circuitry in the electronic device to which the power output connector is configured and adapted to connect when the moisture sensor detects a level of moisture in a gas received from the pneumatic connector is at or above a third threshold.

98. An apparatus, comprising:

a moisture detector configured and adapted to obtain gas from an electronic device and detect the moisture level within a gas sample; and

a switch connected to the moisture detector, the switch configured and adapted to connect to a source of electrical power and to the power input circuitry of an electronic device, the switch including a disconnected state, wherein the switch is configured and adapted to electrically isolate a source of electrical power to which the switch is connected from the power input circuitry of an electronic device to which the switch is connected when the moisture detector detects the moisture within the electronic device to which the switch is connected is at or above a first predetermined threshold, and

99. The apparatus of claim 98, wherein the switch includes a connected state, wherein the switch is configured and adapted to electrically connect a source of electrical power to which the switch is connected from the power input circuitry of an electronic device to which the switch is connected when the moisture detector detects the moisture within the electronic device to which the switch is connected is below a second predetermined threshold.

100. The apparatus of claim 98, wherein the moisture detector detects water vapor, and wherein the first and second thresholds are water vapor thresholds.

101. The apparatus of claim 98, wherein the moisture detector detects humidity, and wherein the first and second thresholds are humidity thresholds.

102. The apparatus of claim 98, comprising:

a pump configured and adapted to move gas from an electronic device to the moisture detector.

103. The apparatus of claim 98, wherein the disconnected state of the switch is maintained when the moisture detector is malfunctioning.

104. The apparatus of claim 98, comprising:

a pneumatic connector connected to the moisture detector, the pneumatic connector configured and adapted to removably connect to a first port of an electronic device and direct gas from the first port to the moisture detector when connected to the first port; and

an electrical connector connected to the switch, the electrical connector configured and adapted to removably connect to a second port of an electronic device and electrically connect the switch and the second port when connected to the second port.

105. The apparatus of claim 104, wherein the pneumatic connector and the electrical connector are configured and adapted to removably connect to the same port of an electronic device.

106. The apparatus of claim 104, wherein the pneumatic connector and the electrical connector are configured and adapted to connect to different ports of an electronic device.

107. The apparatus of claim 98, wherein the moisture detector and the switch are configured and adapted to repeatedly connect to and disconnect from one or more external ports of an electronic device by hand.

108. The apparatus of claim 107, comprising:

a sensor configured and adapted to detect when the switch is connected to an electrical power receptacle of an electronic device, wherein the disconnected state of the switch is maintained when the sensor has not detected a connection between the switch and an electrical power receptacle of an electronic device.

109. The apparatus of claim 98, wherein the moisture detector is configured and adapted to connect to an internal port of an electronic device and remain connected to the internal port of the electronic device during user operation.

110. The apparatus of claim 98, wherein the first predetermined threshold and the second predetermined threshold are the same.

111. The apparatus of claim 98, wherein the first predetermined threshold and the second predetermined threshold are different.

112. The apparatus of claim 98, wherein the moisture detector detects moisture in the ambient air, and wherein the determination of whether moisture within the electronic device to which the switch is connected is below a first predetermined threshold includes a comparison of the moisture detected in the ambient air and the moisture detected from within the electronic device to which the switch is connected.

113. The apparatus of claims 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111 or 112, comprising:

an interrupter connected to the moisture detector, the interrupter configured and adapted to interrupt the flow of electrical energy from a power storage member in the electronic device to which the moisture connector is connected to other portions of the circuitry in the electronic device to which the moisture connector is connected when the moisture detector detects the moisture within the electronic device to which the switch is connected is at or above a third predetermined threshold.

114. The apparatus of claim 113, wherein the first predetermined threshold and the third predetermined threshold are the same.

115. The apparatus of claim 113, wherein the first predetermined threshold and the third predetermined threshold are different.

116. The apparatus of claims 98, 99, 100, 101, 102, 103, 105, 106, 107, 109, 110, 111 or 112, comprising:

a pneumatic connector connected to the moisture detector, the pneumatic connector configured and adapted to removably connect to a first port of an electronic device and direct gas from the first port to the moisture detector when connected to the first port;

an electrical connector connected to the switch, the electrical connector configured and adapted to removably connect to a second port of an electronic device and electrically connect the switch and the second port when connected to the second port; and

a sensor configured and adapted to detect when the switch is connected to an electrical power receptacle of an electronic device, wherein the disconnected state of the switch is maintained when the sensor has not detected a connection between the switch and an electrical power receptacle of an electronic device;

wherein the moisture detector detects moisture in the ambient air, and wherein the determination of whether moisture within the electronic device to which the switch is connected is below a first predetermined threshold includes a comparison of the moisture detected in the ambient air and the moisture detected from within the electronic device to which the switch is connected.

117. An apparatus, comprising:

a moisture detector; and

means for controlling the flow of electrical energy from a power source to which the moisture detector is connected to an electronic device to which the moisture detector is connected in response to the moisture detected by the moisture detector.

118. The apparatus of claim 117, comprising:

means for inhibiting the flow of electrical energy from the power source to the electronic device to which the moisture detector is connected when the moisture detected by the moisture detector exceeds a first threshold.

119. The apparatus of claim 118, comprising:

means for facilitating the flow of electrical energy from the power source to the electronic device to which the moisture detector is connected when the moisture detected by the moisture detector does not exceed a second threshold.

120. The apparatus of claim 119, wherein the first threshold and the second threshold are the same.

121. The apparatus of claim 119, wherein the first threshold and the second threshold are different.

122. The apparatus of claim 117, wherein said means for controlling includes a switch, the apparatus comprising:

means for pneumatically connecting the moisture detector to a pneumatic port of an electronic device; and

means for electrically connecting the switch to an electrical port of an electronic device.

123. The apparatus of claim 122, wherein the means for pneumatically connecting and the means for electrically connecting connect to the same port of an electronic device.

124. The apparatus of claim 122, wherein the means for pneumatically connecting and the means for electrically connecting connect to different ports of an electronic device.

125. The apparatus of claim 117, comprising:

means for interrupting the flow of electrical energy from a power storage member in an electronic device to which the moisture detector is connected to other portions of the circuitry in the electronic device to which the moisture detector is connected when the moisture detected by the moisture detector exceeds a third threshold

126. The apparatus of claim 125, wherein the first threshold and the third threshold are the same.

127. The apparatus of claim 126, wherein the first threshold and the third threshold are different.

128. The apparatus of claims 117, 118, 119, 120, 121, 122, 123, 124, 125, 126 or 127, comprising:

means for determining when the moisture detector is malfunctioning, wherein said means for controlling electrically disconnects a power source to which the moisture detector is connected from an electronic device to which the moisture detector is connected when said means for determining determines the moisture detector is malfunctioning.

129. The apparatus of claims 117, 118, 119, 120, 121, 122, 123, 124, 125, 126 or 127, wherein the moisture detector detects water vapor in the electronic device to which the moisture detector is connected, and wherein said means for controlling is in response to the water vapor detected by the moisture detector.

130. The apparatus of claims 117, 118, 119, 120, 121, 122, 123, 124, 125, 126 or 127, wherein the moisture detector detects humidity in the electronic device to which the

moisture detector is connected, and wherein said means for controlling is in response to the humidity detected by the moisture detector.

131. The apparatus of claims 117, 118, 119, 120, 121, 122, 123, 124, 125, 126 or 127, comprising:

means for moving air from within the electronic device to the moisture detector.

132. The apparatus of claims 117, 118, 119, 120, 121, 122, 123, 124, 125, 126 or 127, comprising:

means for repeatedly connecting the moisture detector to a power source and an electronic device; and

means for repeatedly disconnecting the moisture detector from a power source and an electronic device.

133. The apparatus of claims 117, 118, 119, 120, 121, 122, 123, 124, 125, 126 or 127, wherein the moisture detector is configured and adapted to connect to an internal port of an electronic device and remain connected to the internal port of the electronic device during user operation.

134. The apparatus of claims 117, 118, 119, 120, 121, 122, 123, 124, 125, 126 or 127, comprising:

means for detecting when the moisture detector is connected to an electrical power receptacle of an electronic device; and

means for inhibiting the flow of electrical energy from a power source to which the moisture detector is connected to the electrical power receptacle of an electronic device to which the moisture detector is connected when said means for detecting has not detected a connection between the moisture detector and the electrical power receptacle of an electronic device.

135. The apparatus of claims 117, 118, 119, 120, 121, 122, 123, 124, 125, 126 or 127, wherein the moisture detector detects moisture in the electronic device to which the moisture detector is connected and in the ambient air outside the electronic device to which the moisture detector is connected.

What is claimed is:

1. An apparatus for connecting an electronic device to an electrical power source, comprising:

a power connector configured and adapted to removably connect to and receive electrical energy form an electrical power source;

a device connector configured and adapted to removably connect to and deliver electrical energy to an electrical power receptacle of an electronic device;

a switch connected to the power connector and the device connector, the switch including

a connected condition wherein the power connector is electrically connected to the device connector, and

a disconnected condition wherein the power connector is electrically disconnected from the device connector;

a pneumatic connector configured and adapted to removably connect to and draw gas from a port of an electronic device;

a moisture detector connected to the switch; and

a pump connected to the pneumatic connector and the moisture detector, the pump configured and adapted to move gas from the pneumatic connector to the moisture detector;

wherein the disconnected condition of the switch is maintained when the power connector is connected to an electrical power source, the device connector is connected to an electrical power receptacle of an electronic device, the pneumatic connector is connected to a port of the electronic device, and the moisture detector detects moisture in the gas from the pneumatic connector exceeds a first predetermined threshold; and

wherein the connected condition of the switch is maintained when the power connector is connected to an electrical power source, the device connector is connected to an

electrical power receptacle of an electronic device, the pneumatic connector is connected to a port of the electronic device, and the moisture detector detects moisture in the gas from the pneumatic connector does not exceed a second predetermined threshold.

2. The apparatus of claim 1 , wherein the moisture detector detects water vapor, and wherein the first and second thresholds are water vapor thresholds.

3. The apparatus of claim 1 , wherein the moisture detector detects humidity, and wherein the first and second thresholds are humidity thresholds.

4. The apparatus of claim 1 , comprising:

a sensor configured and adapted to detect when the device connector is connected to an electrical power receptacle of an electronic device, wherein the disconnected condition of the switch is maintained when the sensor has not detected a connection between the device connector and an electrical power receptacle of an electronic device.

5. The apparatus of claim 1 , wherein the moisture detector detects moisture in the ambient air, and wherein the determination of whether the moisture detector detects moisture in the gas from the pneumatic connector does not exceed a second predetermined threshold includes a comparison of the moisture measured in the ambient air and the moisture measured in the gas from the pneumatic connector.

6. The apparatus of claim 1 , comprising:

a sensor configured and adapted to detect when the device connector is connected to an electrical power receptacle of an electronic device, wherein the disconnected condition of

the switch is maintained when the sensor has not detected a connection between the device connector and an electrical power receptacle of an electronic device; and

an interrupter connected to the device connector, the interrupter configured and adapted to interrupt the flow of electrical energy from a power storage member in the electronic device to which the device connector is connected to other portions of the circuitry in the electronic device to which the device connector is connected when the moisture detector detects moisture in the gas from the pneumatic connector exceeds a third predetermined threshold;

wherein the moisture detector detects water vapor, and wherein the first and second thresholds are water vapor thresholds, and

wherein the moisture detector detects water vapor in the ambient air, and wherein the determination of whether the moisture detector detects water vapor in the gas from the pneumatic connector does not exceed a second predetermined threshold includes a comparison of the water vapor measured in the ambient air and the water vapor measured in the gas from the pneumatic connector.

7. The apparatus of claims 1 , 2, 3, 4, 5 or 6, comprising:

an interrupter connected to the device connector, the interrupter configured and adapted to interrupt the flow of electrical energy from a power storage member in the electronic device to which the device connector is connected to other portions of the circuitry in the electronic device to which the device connector is connected when the moisture detector detects moisture in the gas from the pneumatic connector exceeds a third predetermined threshold.

8. The apparatus of claim 7, wherein the first predetermined threshold and the third predetermined threshold are the same.

9. The apparatus of claim 7, wherein the first predetermined threshold and the third predetermined threshold are different.

10. The apparatus of claims 1 , 2, 3, 4, 5 or 6, wherein the pneumatic connector and the device connector are configured and adapted to connect to the same port of an electronic device.

11. The apparatus of claims 1 , 2, 3, 4, 5 or 6, wherein the pneumatic connector and the device connector are configured and adapted to connect to different ports of an electronic device.

12. The apparatus of claims 1 , 2, 3, 4, 5 or 6, wherein the disconnected condition of the switch is maintained when the moisture detector is malfunctioning.

13. The apparatus of claims 1 , 2, 3, 4, 5 or 6, wherein the first predetermined threshold and the second predetermined threshold are the same.

14. The apparatus of claims 1 , 2, 3, 4, 5 or 6, wherein the first predetermined threshold and the second predetermined threshold are different.

15. An apparatus, comprising:

an electrical connector configured and adapted to connect to an electrical power source and to the power input circuitry of an electronic device, the electrical connector having

a connected state, wherein the electrical power source is connected to the power input circuitry of an electronic device, and

a disconnected state, wherein the electrical power source is disconnected from the power input circuitry of an electronic device;

a moisture detector connected to the electrical connector; and a pump configured and adapted to move gas from within an electronic device to which the electrical connector is connected to the moisture detector;

wherein the electrical connector is maintained in the disconnected state when the moisture detector detects moisture in a gas from within an electronic device to which the electrical connector is connected is greater than or equal to a first predetermined threshold; and

wherein the electrical connector is maintained in the connected state when the moisture detector detects moisture in a gas from within the electronic device to which the electrical connector is connected is less than a second predetermined threshold.

16. The apparatus of claim 15, wherein the electrical connector, the moisture detector, and the pump are located within the electronic device to which the electrical connector is connected.

17. The apparatus of claim 15, wherein the electrical connector, the moisture detector, and the pump are located within a device configured and adapted to removably connect to an electronic device.

18. The apparatus of claim 17, comprising:

a pneumatic connector configured and adapted to removably connect to and draw gas from a port of an electronic device.

19. The apparatus of claim 18, wherein the pneumatic connector and the electrical connector are configured and adapted to connect to the same port of an electronic device.

20. The apparatus of claim 18, wherein the pneumatic connector and the electrical connector are configured and adapted to connect to different ports of an electronic device.

21. The apparatus of claim 17, wherein the electrical connector includes a standard electrical power connector for connecting the device to a source of electrical power.

22. The apparatus of claim 15, wherein the first predetermined threshold and the second predetermined threshold are the same.

23. The apparatus of claim 15, wherein the first predetermined threshold and the second predetermined threshold are different.

24. The apparatus of claims 15, 16, 17, 18, 19, 20, 21 , 22 or 23, wherein the disconnected state of the electrical connector is maintained when the moisture detector is malfunctioning.

25. The apparatus of claims 15, 16, 17, 18, 19, 20, 21 , 22 or 23, wherein the moisture detector detects water vapor, and wherein the first and second predetermined thresholds are water vapor thresholds.

26. The apparatus of claims 15, 16, 17, 18, 19, 20, 21 , 22 or 23, wherein the moisture detector detects humidity, and wherein the first and second predetermined thresholds are humidity thresholds.

27. The apparatus of claims 15, 16, 17, 18, 19, 20, 21 , 22 or 23, comprising: a sensor configured and adapted to detect when the electrical connector is connected to the power input circuitry of an electronic device, wherein the disconnected state of the electrical connector is maintained when the sensor has not detected a connection between the electrical connector and the power input circuitry of an electronic device.

28. The apparatus of claims 15, 16, 17, 18, 19, 20, 21 , 22 or 23, wherein the moisture detector detects moisture in the ambient air, and wherein the determination of whether moisture in a gas from within the electronic device to which the electrical connector is connected is less than a second predetermined threshold includes a comparison of the moisture measured in the ambient air and the moisture measured from within the electronic device to which the electrical connector is connected.

29. The apparatus of claims 15, 16, 17, 18, 19, 20, 21 , 22 or 23, comprising: an interrupter connected to the electrical connector, the interrupter configured and adapted to interrupt the flow of electrical energy from a power storage member in the electronic device to which the electrical connector is connected to other portions of the circuitry in the electronic device to which the electrical connector is connected when the moisture detector detects moisture in a gas from within an electronic device to which the electrical connector is connected is greater than or equal to a third predetermined threshold.

30. The method of claim 29, wherein the first predetermined threshold and the third predetermined threshold are the same.

31. The method of claim 29, wherein the first predetermined threshold and the third predetermined threshold are different.

32. The apparatus of claims 15, 16, 17, 18, 19, 20, 21 , 22 or 23, comprising:

a sensor configured and adapted to detect when the electrical connector is connected to the power input circuitry of an electronic device, wherein the disconnected state of the electrical connector is maintained when the sensor has not detected a connection between the electrical connector and the power input circuitry of an electronic device,

wherein the moisture detector detects water vapor, and wherein the first and second predetermined thresholds are water vapor thresholds, and

wherein the moisture detector detects moisture in the ambient air, and wherein the determination of whether moisture in a gas from within the electronic device to which the electrical connector is connected is less than a second predetermined threshold includes a comparison of the moisture measured in the ambient air and the moisture measured from within the electronic device to which the electrical connector is connected.

33. The apparatus of claim 32, comprising:

an interrupter connected to the electrical connector, the interrupter configured and adapted to interrupt the flow of electrical energy from a power storage member in the electronic device to which the electrical connector is connected to other portions of the circuitry in the electronic device to which the electrical connector is connected when the

moisture detector detects moisture in a gas from within an electronic device to which the electrical connector is connected is greater than or equal to a third predetermined threshold.

34. A method, comprising the acts of:

sampling air from within an electronic device;

measuring the amount of moisture in the sampled device air; and

maintaining a disconnection between the source of electrical power and the electronic device when the amount of moisture within the sampled device air exceeds a first predetermined threshold.

35. The method of claim 34, comprising: maintaining a connection between the source of electrical power and the electronic device when the amount of moisture within the sampled device air does not exceed the second predetermined threshold.

36. The method of claim 34, comprising:

connecting a power interrupter to a source of electrical power and to the electronic device.

37. The method of claim 36, comprising:

determining when said connecting occurs, wherein said maintaining a connection occurs after said determining.

38. The method of claim 34, wherein:

said sampling includes moving air from within the electronic device to a moisture detector; and

said measuring includes measuring the amount of moisture in the sampled device air with the moisture detector.

39. The method of claims 34, 35, 36, 37 or 38 wherein said measuring includes measuring the water vapor in the sampled device air.

40. The method of claims 34, 35, 36, 37 or 38 wherein said measuring includes measuring the humidity in the sampled device air.

41. The method of claims 34, 35, 36, 37 or 38 comprising:

sampling ambient air from outside the electronic device; and

measuring the amount of moisture in the sampled ambient air;

wherein said maintaining a connection between the source of electrical power and the electronic device includes comparing the moisture in the sampled device air to the moisture in the sampled ambient air.

42. The method of claims 34, 35, 36, 37 or 38 comprising:

interrupting the flow of electrical energy from a power storage member in the electronic device to other portions of the circuitry in the electronic device when the amount of moisture within the sampled device air exceeds a third predetermined threshold.

43. The method of claim 42, wherein the first predetermined threshold and the third predetermined threshold are the same.

44. The method of claim 42, wherein the first predetermined threshold and the third predetermined threshold are different.

45. The method of claims 34, 35, 36, 37 or 38 wherein said sampling, measuring, maintaining a disconnection, and maintaining a connection are performed with a power interrupter.

46. The method of claims 34, 35, 36, 37 or 38 wherein the electronic device is inoperative.

47. The method of claim 46, wherein the electronic device is inoperative due to moisture intrusion.

48. The method of claims 34, 35, 36, 37 or 38 wherein said sampling includes decreasing pressure within the power interrupter.

49. The method of claims 34, 35, 36, 37 or 38 wherein the first predetermined threshold and the second predetermined threshold are the same.

50. The method of claims 34, 35, 36, 37 or 38 wherein the first predetermined threshold and the second predetermined threshold are different.

51. The method of claims 34, 35, 36, 37 or 38 comprising:

determining whether the device performing said measuring is malfunctioning, and maintaining a disconnection between the source of electrical power and the electronic device when the device performing said measuring is malfunctioning.

52. The method of claims 34, 35, 36, 37 or 38 wherein said connecting includes connecting an electrical connector of the power interrupter to an electrical port of an electronic device, and connecting a pneumatic connector of the power interrupter to a pneumatic port of an electronic device; and

wherein said sampling air includes sampling air through the pneumatic connector.

53. The method of claim 52, wherein said connecting includes connecting the electrical connector and the pneumatic connector to the same port of an electronic device.

54. The method of claim 52, wherein said connecting includes connecting the electrical connector and the pneumatic connector to different ports of an electronic device.

55. The method of claim 52, comprising:

interrupting the flow of electrical energy from a power storage member in the electronic device to other portions of the circuitry in the electronic device when the amount of moisture within the sampled device air exceeds a third predetermined threshold.

56. An electrical power device configured and adapted to connect to and disconnect from an electronic device, comprising:

an electronic device connector configured and adapted to connect to and disconnect from an electronic device;

a power connector;

a water vapor sensor; and

a switch connected to the electronic device connector, the power connector, and the water vapor sensor;

wherein, when the electronic device connector is connected to an electronic device and the power connector is connected to a source of electrical power,

the water vapor sensor senses the level of water vapor in the electronic device, and

the switch inhibits connection of the power connector to the electronic device connector when the sensed water vapor level from within the electronic device is not below a first threshold.

57. The device of claim 56, wherein the switch connects the power connector to the electronic device connector when the sensed water vapor level from within the electronic device is below a second threshold.

58. The device of claim 56, comprising:

a pneumatic connector configured and adapted to connect to a port of an electronic device; and

a pump configured and adapted to move gas from the pneumatic connector to the water vapor sensor, wherein, when the electronic device connector and the pneumatic connector are connected to an electronic device and the power connector is connected to a source of electrical power, the pump moves gas from the electronic device to which the pneumatic connector is connected to the water vapor sensor.

59. The device of claim 58, wherein the pneumatic connector and the electronic device connector are configured and adapted to connect to the same port of an electronic device.

60. The device of claim 58, wherein the pneumatic connector and the electronic device connector are configured and adapted to connect to different ports of an electronic device.

61. The device of claims 56, 57, 58, 59 or 60, wherein the water vapor sensor senses the level of water vapor in the ambient air outside the electronic device.

62. The device of claim 61 , wherein the determination of whether the sensed water vapor level from within the electronic device is below a second threshold includes a comparison of the sensed water vapor level from within the electronic device and the sensed water vapor level from the ambient air.

63. The device of claims 56, 57, 58, 59 or 60, comprising:
a sensor configured and adapted to detect when the electronic device connector is connected to an electronic device.

64. The device of claim 63, wherein the switch inhibits connection of the power connector to the electronic device connector when the sensor has not detected a connection between the electronic device connector and an electronic device.

65. The device of claims 56, 57, 58, 59 or 60, wherein the power connector is configured and adapted to connect to and disconnect from a power source.

66. The device of claims 56, 57, 58, 59 or 60, wherein the first predetermined threshold and the second predetermined threshold are the same.

67. The device of claims 56, 57, 58, 59 or 60, wherein the first predetermined threshold and the second predetermined threshold are different.

68. The device of claims 56, 57, 58, 59 or 60, wherein the switch inhibits connection of the power connector to the electronic device connector when the water vapor sensor is malfunctioning.

69. The device of claims 56, 57, 58, 59 or 60, wherein the water vapor sensor senses the humidity in the electronic device, and wherein the first and first thresholds are humidity thresholds.

70. The device of claims 56, 57, 58, 59 or 60, comprising:

an interrupter connected to the electronic device connector, the interrupter configured and adapted to interrupt the flow of electrical energy from a power storage member in the electronic device to which the electronic device connector is connected to other portions of the circuitry in the electronic device to which the electrical connector is connected when the sensed water vapor level from within the electronic device is not below a third threshold.

71. The device of claim 70, wherein the first threshold and the third threshold are the same.

72. The device of claim 70, wherein the first threshold and the third threshold are different.

73. The device of claims 56 or 57, comprising:

a pneumatic connector configured and adapted to connect to a port of an electronic device; and

a pump configured and adapted to move gas from the pneumatic connector to the water vapor sensor;

wherein, when the electronic device connector and the pneumatic connector are connected to an electronic device and the power connector is connected to a source of electrical power, the pump moves gas from the electronic device to which the pneumatic connector is connected to the water vapor sensor; and

wherein the determination of whether the sensed water vapor level from within the electronic device is below a second threshold includes a comparison of the sensed water vapor level from within the electronic device and the sensed water vapor level from the ambient air.

74. A method of manufacturing an electrical connector, comprising the acts of:

connecting a moisture sensor to a pneumatic connector, the moisture sensor configured and adapted to detect the level of moisture in a gas, and the pneumatic connector configured and adapted to connect to a port in pneumatic communication with the interior of an electronic device;

connecting a switch to the moisture sensor;

connecting the switch to a power input connector, the power input connector being configured and adapted to connect to and receive electrical power from a power source; and connecting the switch to a power output connector, the power output connector being configured and adapted to connect to and deliver electrical power to an electrical power port of an electronic device;

wherein the switch maintains an electrical disconnection between the power input connector and the power output connector when the moisture sensor detects a level of moisture in a gas received from the pneumatic connector is at or above a first threshold.

75. The method of claim 74, wherein the switch maintains an electrical connection between the power input connector and the power output connector when the moisture sensor detects a level of moisture in a gas received from the pneumatic connector is below a second threshold.

76. The method of claim 74, comprising:

connecting a pneumatic pump to the moisture sensor and the pneumatic connector, wherein the pump moves gas from the pneumatic connector to the moisture sensor.

77. The method of claim 74, wherein the pneumatic connector and the power output connector are configured and adapted to connect to the same port of an electronic device.

78. The method of claim 74, wherein the pneumatic connector and the power output connector are configured and adapted to connect to different ports of an electronic device.

79. The method of claim 74, wherein the second threshold and the first threshold are the same.

80. The method of claim 74, wherein the second threshold and the first threshold are different.

81. The method of claim 74, wherein the switch maintains an electrical disconnection between the power input connector and the power output connector when the moisture sensor is malfunctioning.

82. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81 , wherein the moisture sensor is configured and adapted to detect water vapor; and wherein the second and first thresholds are water vapor thresholds.

83. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81 , wherein the moisture sensor is configured and adapted to detect humidity; and wherein the second and first thresholds are humidity thresholds.

84. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81 , wherein the pneumatic connector and the power output connector are configured and adapted to connect to and disconnect from one or more external ports of an electronic device.

85. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81 , wherein the pneumatic connector is configured and adapted to connect to an internal port of an electronic device and remain connected to the internal port of the electronic device during user operation.

86. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81 , comprising:

connecting a connection sensor to the switch, the connection sensor configured and adapted to detect when the power output connector is connected to an electrical power port of an electronic device.

87. The method of claim 86, wherein the switch maintains an electrical disconnection between the power input connector and the power output connector when the connection sensor has not detected a connection between the power output connector and an electrical power port of an electronic device.

88. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81 , wherein the moisture sensor is configured and adapted to sense the level of moisture in the ambient air outside the electrical connector and outside an electronic device to which the electrical connector is connected.

89. The method of claim 88, wherein the determination whether the moisture sensor detects a level of moisture in a gas received from the pneumatic connector is below a second threshold includes a comparison of the sensed level of moisture in the ambient air and the sensed level of moisture in a gas received from the pneumatic connector.

90. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81 , comprising:

connecting an interrupter to the power output connector, the interrupter configured and adapted to interrupt the flow of electrical power from a power storage member in an electronic device to which the power output connector is configured and adapted to connect to other portions of the circuitry in the electronic device to which the power output connector is configured and adapted to connect when the moisture sensor detects a level of moisture in a gas received from the pneumatic connector is at or above a third threshold.

91. The method of claim 90, wherein the first threshold and the third threshold are the same.

92. The method of claim 90, wherein the first threshold and the third threshold are different.

93. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81 , wherein the power input connector is configured and adapted to repeatedly connect to and disconnect from a power source by hand.

94. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81 , wherein the power output connector is configured and adapted to repeatedly connect to and disconnect from an electrical power port of an electronic device.

95. The method of claims 74, 75, 76, 77, 78, 79, 80 or 81 , comprising:

connecting a connection sensor to the switch, the connection sensor configured and adapted to detect when the power output connector is connected to an electrical power port of an electronic device;

wherein the switch maintains an electrical disconnection between the power input connector and the power output connector when the connection sensor has not detected a connection between the power output connector and an electrical power port of an electronic device, and wherein the moisture sensor is configured and adapted to sense the level of moisture in the ambient air outside the electrical connector and outside an electronic device to which the electrical connector is connected.

96. The method of claim 95, wherein the determination whether the moisture sensor detects a level of moisture in a gas received from the pneumatic connector is below a second threshold includes a comparison of the sensed level of moisture in the ambient air and the sensed level of moisture in a gas received from the pneumatic connector.

97. The method of claim 96, comprising:

connecting an interrupter to the power output connector, the interrupter configured and adapted to interrupt the flow of electrical power from a power storage member in an electronic device to which the power output connector is configured and adapted to connect

to other portions of the circuitry in the electronic device to which the power output connector is configured and adapted to connect when the moisture sensor detects a level of moisture in a gas received from the pneumatic connector is at or above a third threshold.

98. An apparatus, comprising:

a moisture detector configured and adapted to obtain gas from an electronic device and detect the moisture level within a gas sample; and

a switch connected to the moisture detector, the switch configured and adapted to connect to a source of electrical power and to the power input circuitry of an electronic device, the switch including a disconnected state, wherein the switch is configured and adapted to electrically isolate a source of electrical power to which the switch is connected from the power input circuitry of an electronic device to which the switch is connected when the moisture detector detects the moisture within the electronic device to which the switch is connected is at or above a first predetermined threshold, and

99. The apparatus of claim 98, wherein the switch includes a connected state, wherein the switch is configured and adapted to electrically connect a source of electrical power to which the switch is connected from the power input circuitry of an electronic device to which the switch is connected when the moisture detector detects the moisture within the electronic device to which the switch is connected is below a second predetermined threshold.

100. The apparatus of claim 98, wherein the moisture detector detects water vapor, and wherein the first and second thresholds are water vapor thresholds.

101. The apparatus of claim 98, wherein the moisture detector detects humidity, and wherein the first and second thresholds are humidity thresholds.

102. The apparatus of claim 98, comprising:

a pump configured and adapted to move gas from an electronic device to the moisture detector.

103. The apparatus of claim 98, wherein the disconnected state of the switch is maintained when the moisture detector is malfunctioning.

104. The apparatus of claim 98, comprising:

a pneumatic connector connected to the moisture detector, the pneumatic connector configured and adapted to removably connect to a first port of an electronic device and direct gas from the first port to the moisture detector when connected to the first port; and

an electrical connector connected to the switch, the electrical connector configured and adapted to removably connect to a second port of an electronic device and electrically connect the switch and the second port when connected to the second port.

105. The apparatus of claim 104, wherein the pneumatic connector and the electrical connector are configured and adapted to removably connect to the same port of an electronic device.

106. The apparatus of claim 104, wherein the pneumatic connector and the electrical connector are configured and adapted to connect to different ports of an electronic device.

107. The apparatus of claim 98, wherein the moisture detector and the switch are configured and adapted to repeatedly connect to and disconnect from one or more external ports of an electronic device by hand.

108. The apparatus of claim 107, comprising:

a sensor configured and adapted to detect when the switch is connected to an electrical power receptacle of an electronic device, wherein the disconnected state of the switch is maintained when the sensor has not detected a connection between the switch and an electrical power receptacle of an electronic device.

109. The apparatus of claim 98, wherein the moisture detector is configured and adapted to connect to an internal port of an electronic device and remain connected to the internal port of the electronic device during user operation.

110. The apparatus of claim 98, wherein the first predetermined threshold and the second predetermined threshold are the same.

11 1. The apparatus of claim 98, wherein the first predetermined threshold and the second predetermined threshold are different.

112. The apparatus of claim 98, wherein the moisture detector detects moisture in the ambient air, and wherein the determination of whether moisture within the electronic device to which the switch is connected is below a first predetermined threshold includes a comparison of the moisture detected in the ambient air and the moisture detected from within the electronic device to which the switch is connected.

113. The apparatus of claims 98, 99, 100, 101 , 102, 103, 104, 105, 106, 107, 108, 109, 1 10, 1 1 1 or 1 12, comprising:

an interrupter connected to the moisture detector, the interrupter configured and adapted to interrupt the flow of electrical energy from a power storage member in the electronic device to which the moisture connector is connected to other portions of the circuitry in the electronic device to which the moisture connector is connected when the moisture detector detects the moisture within the electronic device to which the switch is connected is at or above a third predetermined threshold.

114. The apparatus of claim 113, wherein the first predetermined threshold and the third predetermined threshold are the same.

115. The apparatus of claim 113, wherein the first predetermined threshold and the third predetermined threshold are different.

116. The apparatus of claims 98, 99, 100, 101 , 102, 103, 105, 106, 107, 109, 1 10, 111 or 112, comprising:

a pneumatic connector connected to the moisture detector, the pneumatic connector configured and adapted to removably connect to a first port of an electronic device and direct gas from the first port to the moisture detector when connected to the first port; an electrical connector connected to the switch, the electrical connector configured and adapted to removably connect to a second port of an electronic device and electrically connect the switch and the second port when connected to the second port; and

a sensor configured and adapted to detect when the switch is connected to an electrical power receptacle of an electronic device, wherein the disconnected state of the switch is maintained when the sensor has not detected a connection between the switch and an electrical power receptacle of an electronic device;

wherein the moisture detector detects moisture in the ambient air, and wherein the determination of whether moisture within the electronic device to which the switch is connected is below a first predetermined threshold includes a comparison of the moisture detected in the ambient air and the moisture detected from within the electronic device to which the switch is connected.

117. An apparatus, comprising:

a moisture detector;

means for controlling the flow of electrical energy from a power source to which the moisture detector is connected to an electronic device to which the moisture detector is connected in response to the moisture detected by the moisture detector, wherein said means for controlling includes a switch;

means for pneumatically connecting the moisture detector to a pneumatic port of an electronic device; and

means for electrically connecting the switch to an electrical port of an electronic device.

118. The apparatus of claim 117, wherein the means for pneumatically connecting and the means for electrically connecting connect to the same port of an electronic device.

119. The apparatus of claim 117, wherein the means for pneumatically connecting and the means for electrically connecting connect to different ports of an electronic device.

120. An apparatus, comprising:

a moisture detector;

means for controlling the flow of electrical energy from a power source to which the moisture detector is connected to an electronic device to which the moisture detector is connected in response to the moisture detected by the moisture detector; and means for interrupting the flow of electrical energy from a power storage member in an electronic device to which the moisture detector is connected to other portions of the circuitry in the electronic device to which the moisture detector is connected when the moisture detected by the moisture detector exceeds a third threshold.

121. The apparatus of claim 120, wherein the first threshold and the third threshold are the same.

122. The apparatus of claim 121, wherein the first threshold and the third threshold are different.

123. The apparatus of claims 117, 118, 119, 120, 121 or 122, comprising:

means for determining when the moisture detector is malfunctioning, wherein said means for controlling electrically disconnects a power source to which the moisture detector is connected from an electronic device to which the moisture detector is connected when said means for determining determines the moisture detector is malfunctioning.

124. The apparatus of claims 117, 118, 119, 120, 121 or 122, wherein the moisture detector detects water vapor in the electronic device to which the moisture detector is connected, and

wherein said means for controlling is in response to the water vapor detected by the moisture detector.

125. The apparatus of claims 117, 118, 119, 120, 121 or 122, wherein the moisture detector detects humidity in the electronic device to which the moisture detector is connected, and wherein said means for controlling is in response to the humidity detected by the moisture detector.

126. The apparatus of claims 117, 118, 119, 120, 121 or 122, comprising:

means for moving air from within the electronic device to the moisture detector.

127. The apparatus of claims 117, 118, 119, 120, 121 or 122, wherein the moisture detector is configured and adapted to connect to an internal port of an electronic device and remain connected to the internal port of the electronic device during user operation.

128. The apparatus of claims 117, 118, 119, 120, 121 or 122, comprising:

means for detecting when the moisture detector is connected to an electrical power receptacle of an electronic device; and

means for inhibiting the flow of electrical energy from a power source to which the moisture detector is connected to the electrical power receptacle of an electronic device to which the moisture detector is connected when said means for detecting has not detected a connection between the moisture detector and the electrical power receptacle of an electronic device.

129. The apparatus of claims 117, 118, 119, 120, 121 or 122, wherein the moisture detector detects moisture in the electronic device to which the moisture detector is connected and in the ambient air outside the electronic device to which the moisture detector is connected.