We claim:

1. An interface (402, 502, 602, 1202) with improved accessibility, the interface (402 502, 602, 1202) comprising:

a housing (430, 530, 630, 1230); and

a meter electronics (420, 520, 620, 1220) disposed inside the housing (430, 530, 630, 1230), the meter electronics (420, 520, 620, 1220) being configured to affix to a connector (450, 550, 650, 1250) extending into the housing (430, 530, 630, 1230);

wherein the housing (530, 1230) is rotatably coupled to the connector (550, 1250) extending into the housing (530, 1230).

~~2. The interface (502, 1202) of claim 1, wherein the housing (530, 1230) is rotatably coupled to the connector (550, 1250) extending into the housing (530, 1230).~~

~~3~~2. The interface (1202) of claim 1, wherein the meter electronics (1220) comprises:

an electronics board (1220b); and

a shell (1220s) affixed to the electronics board (1220b), the shell (1220s) being configured to affix to the connector (1250) extending into the housing (1230).

~~4~~3. The interface (402, 502, 602, 1202) of claim 1, wherein the connector (450, 550, 650, 1250) extending into the housing (430, 530, 630, 1230) is part of a feedthrough (415, 515, 615, 1215) extending from one of a sensor assembly and a junction box.

~~5~~4. The interface (602, 1202) of claim 1, further comprising a receiving disk (617, 1217) rotatably disposed about the connector (650, 1250), wherein at least a portion of the receiving disk (617, 1217) is disposed between a retention ring (618, 1218) of the connector (650, 1250) and a wall (632, 1232) of the housing (630, 1230).

~~6~~5. The interface (402, 502, 602, 1202) of claim ~~5~~4, wherein the meter electronics (1220) further comprises posts (1224p) configured to mate with grooves (1217g) in the receiving disk (1217) and bolts (1224b) configured to mate with threaded holes (1217h)

of the receiving disk (1217) and/or the receiving disk (617, 1217) includes lobes (617l, 1217l) that interfaces with one of a groove (618g) and lips (1218b) of the retention ring (618, 1218) to retain the meter electronics (620, 1220) to the connector (650, 1250) extending into the housing (630, 1230).

~~7. The interface (602, 1202) of claim 5, wherein receiving disk (617, 1217) includes lobes (617l, 1217l) that interfaces with one of a groove (618g) and lips (1218b) of the retention ring (618, 1218) to retain the meter electronics (620, 1220) to the connector (650, 1250) extending into the housing (630, 1230).~~

~~8~~6. The interface (1202) of claim 1, wherein the meter electronics (1220) comprises:

a lower meter electronics (1224) configured to affix to the connector (1250) extending into the housing (1230); and

an upper meter electronics (1222) configured to affix to the housing (1230) and configured to communicatively couple to the lower meter electronics (1224).

~~9~~7. A method for assembling an interface with improved accessibility, the method comprising:

providing a housing;

providing and disposing a meter electronics inside the housing;

providing and extending a connector into the housing; and

affixing the meter electronics to the connector extending into the housing; and rotatably coupling the housing to the connector extending into the housing.

~~10. The method of claim 9, further comprising rotatably coupling the housing to the connector extending into the housing.~~

~~11~~8. The method of claim ~~9~~7, wherein providing and disposing the meter electronics inside the housing comprises:

providing an electronics board;

providing and affixing a shell to the electronics board;

providing and extending a connector into the housing; and
affixing the shell to the connector extending into the housing.

~~12~~9. The method of claim ~~9~~7, wherein providing and extending the connector into the housing comprises providing and extending a feedthrough from one of a sensor assembly and a junction box into the housing.

~~13~~10. The method of claim ~~9~~7, further comprising providing and rotatably disposing a receiving disk about the connector, wherein at least a portion of the receiving disk is disposed between a retention ring of the connector and a wall of the housing.

~~14~~11. The method of claim ~~13~~10, wherein providing the meter electronics further comprises providing posts, wherein providing the receiving disk comprises providing grooves and threaded holes in the receiving disk, and the method further comprises providing bolts, wherein the posts are configured to mate with the grooves and the bolts are configured to mate with the threaded holes of the receiving disk and/or wherein providing the receiving disk comprises providing lobes that interfaces with one of a groove and lips of the retention ring to retain the meter electronics to the connector extending into the housing.

~~15. The method of claim 13, wherein providing the receiving disk comprises providing lobes that interfaces with one of a groove and lips of the retention ring to retain the meter electronics to the connector extending into the housing.~~

~~16~~12. The method of claim ~~9~~7, wherein providing the meter electronics comprises providing a lower meter electronics configured to affix to the connector extending into the housing and providing an upper meter electronics configured to affix to the housing and configured to communicatively couple to the lower meter electronics.

~~17. An interface (2202) with improved accessibility, the interface (2502) comprising:~~
~~a housing (2230); and~~
~~a meter electronics (2220) comprising:~~

~~an upper meter electronics (2222);~~

~~a lower meter electronics (2224); and~~

~~a barrier board (2223) disposed between and coupled to the upper meter electronics (2222) and the lower meter electronics (2224); and~~

~~a gasket (2230o) disposed between and in contact with the barrier board (2223) and the housing (2230) so as to form a water-tight seal that separates an upper meter electronics portion (2230u) of the housing (2230) and a lower meter electronics portion (2230l) of the housing (2230).~~

~~18. The interface (2202) of claim 17, wherein the barrier board (2223) is without holes that traverse the barrier board (2223) interior to the gasket (2230o).~~

~~19. The interface (2202) of claim 17, wherein the gasket (2230o) comprises an o-ring compressed between the housing (2230) and the barrier board (2223).~~

~~20. The interface (2202) of claim 17, wherein the gasket (2230o) being disposed between and in contact with the barrier board (2223) and the housing (2230) comprises the gasket (2230o) being disposed between and in contact with a boss (2230s) of the housing (2230) and the barrier board (2223).~~

~~21. The interface (2202) of claim 20, further comprising a plurality of fasteners (2230b) disposed proximate the gasket (2230o) and configured to affix the barrier board (2223) to the boss (2230s) of the housing (2230).~~

~~22. The interface (2202) of claim 21, wherein the plurality of fasteners (2230b) are disposed in at least one of the upper meter electronics portion (2230u) of the housing (2230) and the lower meter electronics portion (2230l) of the housing (2230).~~

~~23. The interface (2202) of claim 21, wherein the plurality of fasteners (2230b) are disposed through the barrier board (2223) into the boss (2230s) of the housing (2230).~~

~~24. A method of assembling an interface with improved accessibility, the method comprising:~~

~~providing a housing; and~~

~~providing a meter electronics, wherein providing the meter electronics comprises:~~

~~providing an upper meter electronics;~~

~~providing a lower meter electronics;~~

~~providing and disposing a barrier board between the upper meter electronics and the lower meter electronics; and~~

~~coupling the barrier board to the upper meter electronics and the lower meter electronics;~~

~~disposing and contacting a gasket between and with the barrier board and the housing so as to form a water-tight seal that separates an upper meter electronics portion of the housing and a lower meter electronics portion of the housing.~~

~~25. The method of claim 24, wherein providing the barrier board comprises forming the barrier board without holes that traverse the barrier board interior to the gasket.~~

~~26. The method of claim 24, wherein providing the gasket comprises providing an o-ring and compressing the o-ring between the housing and the barrier board.~~

~~27. The method of claim 24, wherein disposing and contacting the gasket between and with the barrier board and the housing comprises disposing and contacting the gasket between and with the barrier board and a boss of the housing.~~

~~28. The method of claim 27, further comprising disposing a plurality of fasteners proximate the gasket and affixing the barrier board to the boss of the housing using the plurality of fasteners.~~

29. The method of claim 28, further comprising disposing the plurality of fasteners in at least one of the upper meter electronics portion of the housing and the lower meter electronics portion of the housing.

30. The method of claim 28, further comprising disposing the plurality of fasteners through the barrier board into the boss of the housing.

31. An interface (2502) having improved accessibility, the interface (2502) comprising:

a housing (2530) having a display opening (2532); and

a fascia (2540) disposed internal to the housing (2530) proximate the display opening (2532), the fascia (2540) comprising a board (2540b) and a wireless transceiver (2548), wherein the board (2540b) comprises an anterior side (2540ba) facing the display opening (2532) and a posterior side (2540bp) facing an internal portion of the housing (2530);

wherein the wireless transceiver (2548) is disposed on the posterior side (2540bp) of the board (2540b) and is configured to communicatively couple to a wireless device (2501) via an opening (2540bo) in the board (2540b).

32. The interface (2502) of claim 31, wherein the fascia (2540) further comprises a fascia chassis (2543) mechanically coupled to the board (2540b), the fascia chassis (2543) including a slot (2543s) proximate the wireless transceiver (2548).

33. The interface (2502) of claim 31, further comprising a display (2544) that is coupled to the anterior side (2540ba) of the board (2540b).

34. The interface (2502) of claim 33, wherein the display (2544) is disposed proximate the opening (2540bo) of the board (2540b).

35. The interface (2502) of claim 33, wherein the display (2544) is disposed opposite the wireless transceiver (2548) on the board (2540b).

36. The interface (2502) of claim 31, wherein the wireless transceiver (2548) includes an antenna (2548a) that is disposed proximate the opening (2540bo) in the board (2540b) and the slot (2543s) in the fascia chassis (2543).

37. A method of forming an interface having improved accessibility, the method comprising:

providing a housing having a display opening;

providing and disposing a fascia internal to the housing proximate the display opening, wherein providing the fascia comprises providing a board, wherein the board comprises an anterior side facing the display opening and a posterior side facing an internal portion of the housing;

providing and disposing a wireless transceiver on the posterior side of the board; and

configuring the wireless transceiver to communicatively couple to a wireless device via an opening in the board.

38. The method of claim 37, wherein providing the fascia further comprises providing a fascia chassis and mechanically coupling the fascia chassis to the board such that a slot in the fascia chassis is proximate the wireless transceiver.

39. The method of claim 37, further comprising providing and coupling a display to the anterior side of the board.

40. The method of claim 39, further comprising disposing the display proximate the opening of the board.

41. The method of claim 39, further comprising disposing the display opposite the wireless transceiver on the board.

42. The method of claim 37, wherein providing the wireless transceiver includes providing an antenna and disposing the antenna to the opening in the board and the slot in the fascia chassis.

43. A communications system (2500) for improved accessibility of an interface (2502), the communications system (2500) comprising:

a wireless device (2501); and

a fascia (2540) disposed internal to a housing (2530) of the interface (2502), the fascia (2540) having a board (2540b) and a wireless transceiver (2548), wherein the board (2540b) comprises an anterior side (2540ba) facing a display opening (2532) of the housing (2530) and a posterior side (2540bp);

wherein the wireless transceiver (2548) is disposed on the posterior side (2540bp) of the board (2540b) and is configured to communicatively couple to the wireless device (2501) via an opening (2540bo) in the board (2540b).

44. The communication system (2500) of claim 43, wherein the fascia (2540) further comprises a fascia chassis (2543) mechanically coupled to the board (2540b), the fascia chassis (2543) including a slot (2543s) proximate the wireless transceiver (2548).

45. The communication system (2500) of claim 43, further comprising a display (2544) that is coupled to the anterior side (2540ba) of the board (2540b).

46. The communication system (2500) of claim 45, wherein the display (2544) is disposed proximate the opening (2540bo) of the board (2540b).

47. The communication system (2500) of claim 45, wherein the display (2544) is disposed opposite the wireless transceiver (2548).

48. The communication system (2500) of claim 43, wherein the wireless transceiver (2548) includes an antenna (2548a) that is disposed proximate the opening (2540bo) in the board (2540b) and the slot (2543s) in the fascia chassis (2543).

49. A meter electronics (3220) for improving accessibility of an interface (3202), the meter electronics (3220) comprising:

a processor (3228) disposed on an electronics board (3220b); and

a component (3226) disposed on the electronics board (3220b), the component (3226) being coupled to a pin of the processor (3228), the pin of the processor (3228) being configured to couple to a component (3246) of a display board (3240b) coupled to the electronics board (3220b);

wherein the component (3246) of the display board (3240b) is redundant to the component (3226) of the electronics board (3220b).

50. The meter electronics (3220) of claim 49, wherein the pin of the processor (3228) is configured to couple to the component (3246) of the display board (3240b) via a connector (3247) coupling the display board (3240b) to the electronics board (3220b).

51. The meter electronics (3220) of claim 49, wherein the component (3226) of the electronics board (3220b) is one of a light emitting diode (3226l) and a switch (3226s) of the electronics board (3220b) and the component (3246) of the display board (3240b) is one of a light emitting diode (3246l) and a switch (3246s) of the display board (3240b).

52. The meter electronics (3220) of claim 49, wherein the pin of the processor (3228) is coupled to a first terminal of the component (3226) of the electronics board (3220b) and a second terminal of the component (3226) is coupled to a ground (3220g).

53. The meter electronics (3220) of claim 49, further comprising the display board (3240b) wherein the pin of the processor (3228) is coupled to the component (3246) of the display board (3240b).

54. The meter electronics (3220) of claim 53, wherein the pin of the processor (3228) is coupled to a first terminal of the component (3246) of the display board (3240b) and a second terminal of the component (3246) of the display board (3240b) is coupled to a ground (3220g).

55. The meter electronics (3220) of claim 49, further comprising an amplifier (3222a, 3222b) having an output coupled to the component (3226) disposed in the electronics board (3220), the amplifier (3222a, 3222b) being an inverter configured to invert a signal from the processor (3228) to the component (3226).

56. A method for improving an accessibility of an interface, the method comprising:
providing and disposing a processor on an electronics board;
providing and disposing a component on the electronics board;
coupling the component to a pin of the processor; and
configuring the pin of the processor to couple to a component of a display board coupled to the electronics board;
wherein the component of the display board is redundant to the component of the electronics board.

57. The method of claim 56, wherein configuring the pin of the processor to couple to the component of the display board comprises configuring the pin to couple to the component of the display board via a connector coupling the display board to the electronics board.

58. The method of claim 56, wherein providing the component of the electronics board comprises providing one of a light emitting diode and a switch of the electronics board and providing the component of the display board comprises providing one of a light emitting diode and a switch of the display board.

59. The method of claim 56, wherein coupling the component to the pin of the processor comprises coupling the pin of the processor to a first terminal of the

component of the electronics board and coupling a second terminal of the component to a ground.

60. The method of claim 56, further comprising providing the display board and coupling the pin of the processor to the component of the display board.

61. The method of claim 60, wherein coupling the pin of the processor to the component of the display board comprises coupling the pin of the processor to a first terminal of the component of the display board and coupling a second terminal of the component of the display board to a ground.

62. The method of claim 56, further comprising providing an amplifier having an output and coupling the output to the component disposed in the electronics board, the amplifier being an inverter configured to invert a signal from the processor to the component.

63. An interface (3402) having improved accessibility, the interface (3402) comprising:

a housing (3430);

a fascia (3440) disposed internal to the housing (3430) and proximate an opening (3430o) of the housing (3430); and

a translating rod (3440t) pivotably coupled to the fascia (3440), the translating rod (3440t) being configured to displace the fascia (3440) through the opening (3430o) of the housing (3430).

64. The interface (3402) of claim 63, wherein the translating rod (3440t) being pivotably coupled to the fascia (3440) comprises the fascia (3440) being configured to rotate about a translating axis (3440at) that is collinear to a longitudinal axis of the translating rod (3440t).

65. The interface (3402) of claim 63, wherein the translating rod (3440t) being pivotably coupled to the fascia (3440) comprises the fascia (3440) being configured to

rotate about a pivoting axis (3440ap) that is orthogonal to a longitudinal axis of the translating rod (3440t).

66. The interface (3402) of claim 63, wherein the translating rod (3440t) being configured to displace the fascia (3440) through the opening (3430o) of the housing (3430) comprises the translating rod (3440t) being configured to displace the fascia (3440) in a direction collinear with a longitudinal axis of the translating rod (3440t).

67. The interface (3402) of claim 63, wherein the translating rod (3440t) is pivotably coupled to the fascia (3440) at a pivot point (3440p).

68. The interface (3402) of claim 67, wherein the pivot point (3440p) is located where a pivot axis (3440ap) and a translation axis (3440at) are coincident, where the fascia (3440) pivots about the pivot axis (3440ap) and rotates about the translation axis (3440at).

69. A method for improving an accessibility of an interface, the interface comprising:

providing a housing;

providing and disposing a fascia internal to the housing and proximate an opening of the housing; and

providing and pivotably coupling a translating rod to the fascia, the translating rod being configured to displace the fascia through the opening of the housing.

70. The method of claim 69, wherein pivotably coupling the translating rod to the fascia comprises configuring the fascia to rotate about a translating axis that is collinear to a longitudinal axis of the translating rod.

71. The method of claim 69, wherein pivotably coupling the translating rod to the fascia comprises configuring the fascia to rotate about a pivoting axis that is orthogonal to a longitudinal axis of the translating rod.

~~72. The method of claim 69, wherein configuring the translating rod to displace the fascia through the opening of the housing comprises configuring the translating rod to displace the fascia in a direction collinear with a longitudinal axis of the translating rod.~~

~~73. The method of claim 69, wherein pivotably coupling the translating rod to the fascia comprises pivotably coupling the translating rod to the fascia at a pivot point.~~

~~74. The method of claim 73, wherein the pivot point is located where a pivot axis and a translation axis are coincident, wherein the fascia pivots about the pivot axis and rotates about the translation axis.~~

~~75. A method for improving an accessibility of an interface, the method comprising:~~

~~displacing a fascia through an opening in a housing along a translation axis, the fascia being configured to at least one of rotate about the translation axis and pivot about a pivot axis.~~

~~76. The method of claim 75, further comprising at least one of rotating the fascia about the translation axis and pivoting the fascia about the pivot axis.~~

~~77. The method of claim 76, wherein the translation axis and the pivot axis are collocal at a pivot point, and the fascia is configured to rotate and pivot about the pivot point.~~

~~78~~13. A method for improving an accessibility of an interface, the method comprising:

determining an operating value; and

adjusting a driving voltage provided to a display based on the determined operating value and a driving voltage-to-actual contrast relationship;

wherein the operating value corresponds to a temperature of a meter electronics providing the driving voltage.

~~79~~14. The method of claim ~~78~~ 13, further comprising determining a contrast value based on the determined operating value and the driving voltage-to-actual contrast relationship and adjusting the driving voltage based on the contrast value.

~~80~~15. The method of claim ~~79~~14, further comprising setting a register value in a display driving circuit based on the determined contrast value.

~~81~~16. The method of claim ~~78~~13, wherein the operating value is at least one of the driving voltage provided to the display and the temperature of the meter electronics providing the driving voltage to the display.

~~82~~17. The method of claim ~~81~~16, further comprising at least one of determining the contrast value from a relationship between the driving voltage and the contrast value and determining the contrast value based on a relationship between the temperature of the meter electronics and the contrast value.

~~83. The method of claim 78, wherein the operating value is the temperature of the meter electronics providing the driving voltage to the display.~~

~~84. The method of claim 83, further comprising determining the contrast value based on a relationship between the temperature of the meter electronics and the contrast value.~~

~~85~~18. A meter electronics (4420) for improving an accessibility of an interface, the meter electronics (4420) comprising:

a processor (4420p) configured to determine an operating value; and

a display driving circuit (4420d) configured to provide a driving voltage to a display (4440) and adjust the driving voltage based on the operating value and a driving voltage-to-actual contrast relationship;

wherein the operating value corresponds to a temperature of a meter electronics providing the driving voltage.

~~86~~19. The meter electronics (4420) of claim~~s 85~~ 18, wherein the processor (4420p) is further configured to determine a contrast value based on the determined operating value and the driving voltage-to-actual contrast relationship and adjusting the driving voltage based on the contrast value.

~~87~~20. The meter electronics (4420) of claim ~~86~~19, wherein the processor (4420p) is further configured to set a register value in the display driving circuit (4420d) based on the determined contrast value.

~~88~~21. The meter electronics (4420) of claim ~~85~~18, wherein the operating value is at least one of the driving voltage provided to the display (4440) and the temperature of the meter electronics (4420) providing the driving voltage to the display (4440).

~~89~~22. The meter electronics (4420) of claim~~s 88~~ 21, wherein the processor (4420p) is further configured to at least one of determine the contrast value from a relationship between the driving voltage and the contrast value and determine the contrast value based on a relationship between the temperature of the meter electronics (4420) and the contrast value.

~~90. The meter electronics (4420) of claim 85, wherein the operating value is the temperature of the meter electronics (4420) providing the driving voltage to the display (4440).~~

~~91. The meter electronics (4420) of claim 90, wherein the processor (4420p) is further configured to determine the contrast value based on a relationship between the temperature of the meter electronics (4420) and the contrast value.~~