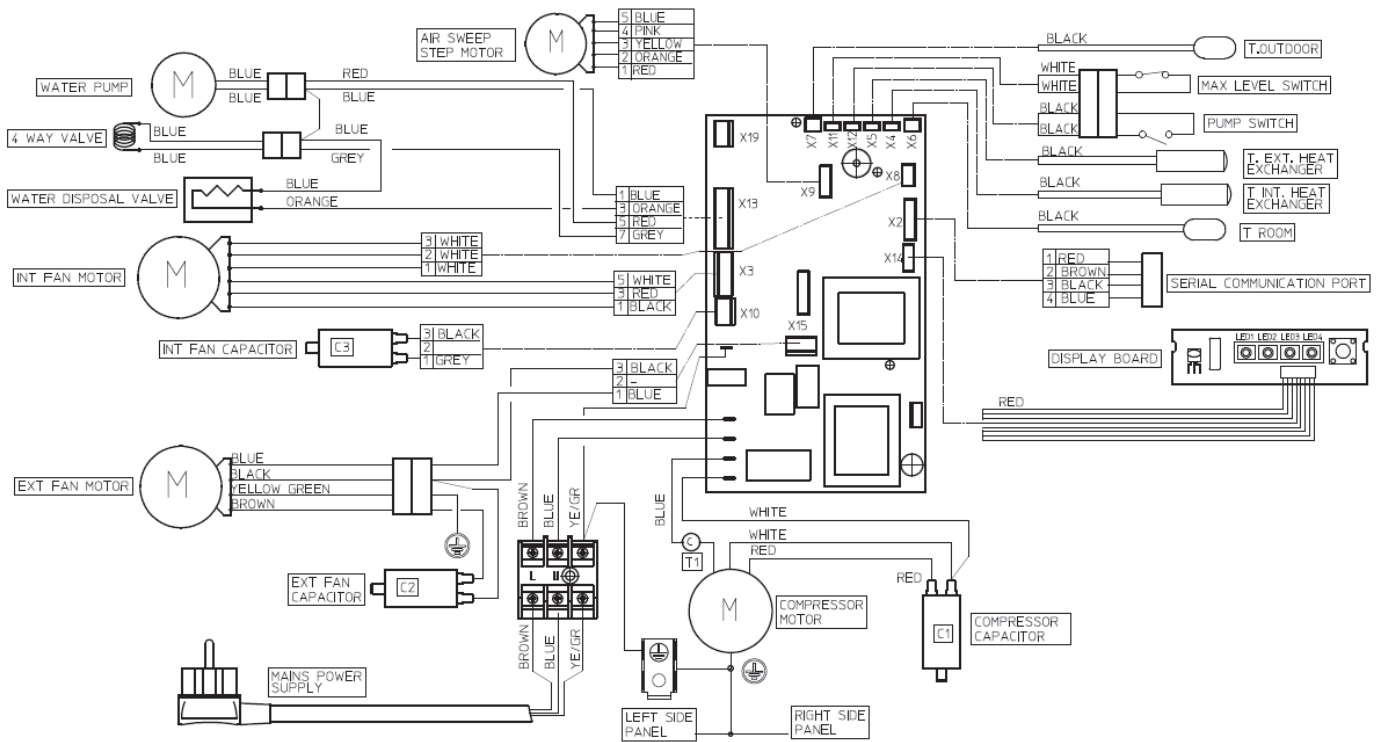## 9. WIRING DIAGRAM

# 10. AIR AND HEAT EXCHANGER SENSORS OHM VALUES

**R-T CONVERSION TABLE**

R25=10KΩ

B25/100=3988K

| TX(℃) | Rnom(KΩ) | ADA | Voltage(Vdc) | TX(℃) | Rnom(KΩ) | ADA | Voltage(Vdc) |
|---|---|---|---|---|---|---|---|
| −50 | 697,3 | 7 | 4,860588317 | −10 | 55,77 | 67 | 3,680216445 |
| −49 | 648,4 | 7 | 4,850388989 | −9 | 52,82 | 70 | 3,626750893 |
| −48 | 603,3 | 8 | 4,839563613 | −8 | 50,02 | 73 | 3,571836618 |
| −47 | 561,6 | 8 | 4,828060523 | −7 | 47,40 | 75 | 3,516320475 |
| −46 | 523,1 | 9 | 4,815871847 | −6 | 44,94 | 78 | 3,460117031 |
| −45 | 487,5 | 10 | 4,802955665 | −5 | 42,61 | 81 | 3,402811053 |
| −44 | 454,6 | 10 | 4,789296249 | −4 | 40,43 | 84 | 3,345192785 |
| −43 | 424,2 | 11 | 4,774876182 | −3 | 38,37 | 87 | 3,28679116 |
| −42 | 396 | 12 | 4,759615385 | −2 | 36,42 | 90 | 3,227578873 |
| −41 | 369,8 | 13 | 4,743458184 | −1 | 34,57 | 93 | 3,167491296 |
| −40 | 345,5 | 14 | 4,726402189 | 0 | 32,84 | 96 | 3,107494322 |
| −39 | 323 | 14 | 4,70845481 | 1 | 31,21 | 99 | 3,047256395 |
| −38 | 302,1 | 15 | 4,689537411 | 2 | 29,66 | 103 | 2,986306887 |
| −37 | 282,7 | 16 | 4,669639907 | 3 | 28,19 | 106 | 2,924880681 |
| −36 | 264,8 | 17 | 4,648876404 | 4 | 26,80 | 109 | 2,863247863 |
| −35 | 248 | 19 | 4,626865672 | 5 | 25,51 | 112 | 2,80268073 |
| −34 | 232,4 | 20 | 4,603803487 | 6 | 24,26 | 115 | 2,740623588 |
| −33 | 218 | 21 | 4,579831933 | 7 | 23,10 | 118 | 2,679814385 |
| −32 | 204,3 | 22 | 4,554168524 | 8 | 21,99 | 121 | 2,618480591 |
| −31 | 191,8 | 24 | 4,527856468 | 9 | 20,95 | 125 | 2,557997558 |
| −30 | 180,1 | 25 | 4,500249875 | 10 | 19,95 | 128 | 2,496871089 |
| −29 | 169,2 | 27 | 4,471458774 | 11 | 19,02 | 131 | 2,437211686 |
| −28 | 159 | 28 | 4,441340782 | 12 | 18,13 | 134 | 2,377393129 |
| −27 | 149,5 | 30 | 4,410029499 | 13 | 17,29 | 137 | 2,318315902 |
| −26 | 140,6 | 31 | 4,377334994 | 14 | 16,49 | 140 | 2,259523157 |
| −25 | 132,3 | 33 | 4,343401182 | 15 | 15,74 | 143 | 2,20201455 |
| −24 | 124,5 | 35 | 4,307958478 | 16 | 15,02 | 146 | 2,144488864 |
| −23 | 117,3 | 37 | 4,271667881 | 17 | 14,34 | 149 | 2,087944089 |
| −22 | 110,5 | 39 | 4,233716475 | 18 | 13,70 | 151 | 2,03264095 |
| −21 | 104,1 | 41 | 4,194198227 | 19 | 13,08 | 154 | 1,977025393 |
| −20 | 98,21 | 43 | 4,154047881 | 20 | 12,50 | 157 | 1,923076923 |
| −19 | 92,64 | 45 | 4,112215909 | 21 | 11,95 | 160 | 1,870109546 |
| −18 | 87,43 | 47 | 4,069161314 | 22 | 11,42 | 162 | 1,817313813 |
| −17 | 82,54 | 49 | 4,024770821 | 23 | 10,93 | 165 | 1,766892984 |
| −16 | 77,96 | 52 | 3,979175174 | 24 | 10,45 | 168 | 1,71592775 |
| −15 | 73,66 | 54 | 3,932308349 | 25 | 10,00 | 170 | 1,666666667 |
| −14 | 69,61 | 57 | 3,884053119 | 26 | 9,572 | 173 | 1,618422832 |
| −13 | 65,83 | 59 | 3,83490621 | 27 | 9,163 | 175 | 1,570997497 |
| −12 | 62,26 | 62 | 3,784342329 | 28 | 8,776 | 177 | 1,524881846 |
| −11 | 58,91 | 64 | 3,732733494 | 29 | 8,405 | 180 | 1,479493047 |

| TX(℃) | Rnom(KΩ) | ADA | Voltage(Vdc) | TX(℃) | Rnom(KΩ) | ADA | Voltage(Vdc) |
|---|---|---|---|---|---|---|---|
| 30 | 8, 053 | 182 | 1, 435318861 | 70 | 1, 753 | 235 | 0, 402932929 |
| 31 | 7, 718 | 184 | 1, 392236092 | 71 | 1, 694 | 236 | 0, 390430534 |
| 32 | 7, 399 | 186 | 1, 35023176 | 72 | 1, 638 | 236 | 0, 378500786 |
| 33 | 7, 094 | 188 | 1, 309145936 | 73 | 1, 584 | 237 | 0, 366938473 |
| 34 | 6, 804 | 191 | 1, 26921355 | 74 | 1, 531 | 237 | 0, 355533881 |
| 35 | 6, 527 | 193 | 1, 230255966 | 75 | 1, 481 | 238 | 0, 344723244 |
| 36 | 6, 263 | 194 | 1, 192361878 | 76 | 1, 433 | 238 | 0, 334297579 |
| 37 | 6, 011 | 196 | 1, 155472685 | 77 | 1, 387 | 239 | 0, 324262402 |
| 38 | 5, 770 | 198 | 1, 11951882 | 78 | 1, 342 | 239 | 0, 314403524 |
| 39 | 5, 540 | 200 | 1, 084573218 | 79 | 1, 299 | 240 | 0, 304943894 |
| 40 | 5, 322 | 202 | 1, 050864861 | 80 | 1, 257 | 240 | 0, 29566731 |
| 41 | 5, 112 | 203 | 1, 017840076 | 81 | 1, 218 | 241 | 0, 287020454 |
| 42 | 4, 913 | 205 | 0, 986031389 | 82 | 1, 179 | 241 | 0, 278341754 |
| 43 | 4, 721 | 207 | 0, 954856195 | 83 | 1, 142 | 242 | 0, 270078517 |
| 44 | 4, 539 | 208 | 0, 924854314 | 84 | 1, 106 | 242 | 0, 262010803 |
| 45 | 4, 365 | 210 | 0, 895752103 | 85 | 1, 072 | 242 | 0, 254365983 |
| 46 | 4, 197 | 211 | 0, 867256271 | 86 | 1, 039 | 243 | 0, 246922382 |
| 47 | 4, 037 | 213 | 0, 839747057 | 87 | 1, 0070 | 243 | 0, 239682011 |
| 48 | 3, 885 | 214 | 0, 813271928 | 88 | 0, 9760 | 244 | 0, 232646834 |
| 49 | 3, 739 | 215 | 0, 787522642 | 89 | 0, 9463 | 244 | 0, 22588715 |
| 50 | 3, 599 | 216 | 0, 762532311 | 90 | 0, 9176 | 244 | 0, 219336826 |
| 51 | 3, 465 | 218 | 0, 738333688 | 91 | 0, 8899 | 245 | 0, 212997669 |
| 52 | 3, 337 | 219 | 0, 714959078 | 92 | 0, 8632 | 245 | 0, 206871429 |
| 53 | 3, 215 | 220 | 0, 692440233 | 93 | 0, 8372 | 245 | 0, 200890715 |
| 54 | 3, 097 | 221 | 0, 67043339 | 94 | 0, 8123 | 246 | 0, 195149022 |
| 55 | 2, 985 | 222 | 0, 649336524 | 95 | 0, 7884 | 246 | 0, 189624983 |
| 56 | 2, 877 | 223 | 0, 628797482 | 96 | 0, 7651 | 246 | 0, 184227382 |
| 57 | 2, 773 | 224 | 0, 608835024 | 97 | 0, 7428 | 246 | 0, 17905008 |
| 58 | 2, 673 | 225 | 0, 589467649 | 98 | 0, 7211 | 247 | 0, 17400138 |
| 59 | 2, 579 | 226 | 0, 571105895 | 99 | 0, 7002 | 247 | 0, 169128801 |
| 60 | 2, 486 | 227 | 0, 552788402 | 100 | 0, 6799 | 247 | 0, 164386675 |
| 61 | 2, 400 | 228 | 0, 535714286 | | | | |
| 62 | 2, 316 | 229 | 0, 518910199 | | | | |
| 63 | 2, 234 | 230 | 0, 502383737 | | | | |
| 64 | 2, 158 | 231 | 0, 486957307 | | | | |
| 65 | 2, 082 | 231 | 0, 47142469 | | | | |
| 66 | 2, 012 | 232 | 0, 457023442 | | | | |
| 67 | 1, 943 | 233 | 0, 442738003 | | | | |
| 68 | 1, 877 | 234 | 0, 42898935 | | | | |
| 69 | 1, 813 | 234 | 0, 415577866 | | | | |