

| CDB REGISTER | CONTENTS                | MODBUS REGISTER | MODBUS TYPE | ACCESS     | DATA TYPE | MAX VALUE | MIN VALUE | COMMENT   |
|--------------|-------------------------|-----------------|-------------|------------|-----------|-----------|-----------|---|
| 0            | -                       |                 |             | -          |           |           |           |   |
| 1            | -                       |                 |             | -          |           |           |           |   |
| 2            | -                       |                 |             | -          |           |           |           |   |
| 3            | -                       |                 |             | -          |           |           |           |   |
| 4            | -                       |                 |             | -          |           |           |           |   |
| 5            | -                       |                 |             | -          |           |           |           |   |
| 6            | -                       |                 |             | -          |           |           |           |   |
| 7            | -                       |                 |             | -          |           |           |           |   |
| 8            | -                       |                 |             | -          |           |           |           |   |
| 9            | -                       |                 |             | -          |           |           |           |   |
| 10           | Error Log - Most recent | 40010           | Register    | Read only  | Integer   |           |           | Error Log 1 Module number                             |
| 11           | Error Log - Most recent | 40011           | Register    | Read only  | Integer   |           |           | Error Log 1 Line number                               |
| 12           | Error Log               | 40012           | Register    | Read only  | Integer   |           |           | Error Log 2 Module number                             |
| 13           | Error Log               | 40013           | Register    | Read only  | Integer   |           |           | Error Log 2 Line number                               |
| 14           | Error Log               | 40014           | Register    | Read only  | Integer   |           |           | Error Log 3 Module number                             |
| 15           | Error Log               | 40015           | Register    | Read only  | Integer   |           |           | Error Log 3 Line number                               |
| 16           | Error Log               | 40016           | Register    | Read only  | Integer   |           |           | Error Log 4 Module number                             |
| 17           | Error Log               | 40017           | Register    | Read only  | Integer   |           |           | Error Log 4 Line number                               |
| 18           | Error Log               | 40018           | Register    | Read only  | Integer   |           |           | Error Log 5 Module number                             |
| 19           | Error Log               | 40019           | Register    | Read only  | Integer   |           |           | Error Log 5 Line number                               |
| 20           | Error Log               | 40020           | Register    | Read only  | Integer   |           |           | Error Log 6 Module number                             |
| 21           | Error Log               | 40021           | Register    | Read only  | Integer   |           |           | Error Log 6 Line number                               |
| 22           | Error Log               | 40022           | Register    | Read only  | Integer   |           |           | Error Log 7 Module number                             |
| 23           | Error Log               | 40023           | Register    | Read only  | Integer   |           |           | Error Log 7 Line number                               |
| 24           | Error Log -Oldest       | 40024           | Register    | Read only  | Integer   |           |           | Error Log 8 Module number                             |
| 25           | Error Log -Oldest       | 40025           | Register    | Read only  | Integer   |           |           | Error Log 8 Line number                               |
| 26           | -                       |                 |             | -          |           |           |           |   |
| 27           | Hardware configuration  | 40027           | Register    | Read only  | Integer   |           |           | Equivalent to Hardware config in uMatrixWin Utilities |
| 28           | -                       |                 |             | -          |           |           |           |   |
| 29           | -                       |                 |             | -          |           |           |           |   |
| 30           | -                       |                 |             | -          |           |           |           |   |
| 31           | -                       |                 |             | -          |           |           |           |   |
| 32           | -                       |                 |             | -          |           |           |           |   |
| 33           | -                       |                 |             | -          |           |           |           |   |
| 34           | -                       |                 |             | -          |           |           |           |   |
| 35           | -                       |                 |             | -          |           |           |           |   |
| 36           | -                       |                 |             | -          |           |           |           |   |
| 37           | -                       |                 |             | -          |           |           |           |   |
| 38           | -                       |                 |             | -          |           |           |           |   |
| 39           | -                       |                 |             | -          |           |           |           |   |
| 40           | -                       |                 |             | -          |           |           |           |   |
| 41           | -                       |                 |             | -          |           |           |           |   |
| 42           | Modbus address          | 40042           | Register    | Read/Write | Integer   | 247       | 1         |   |
| 43           | -                       |                 |             | -          |           |           |           |   |
| 44           | -                       |                 |             | -          |           |           |           |   |
| 45           | -                       |                 |             | -          |           |           |           |   |
| 46           | -                       |                 |             | -          |           |           |           |   |
| 47           | -                       |                 |             | -          |           |           |           |   |
| 48           | -                       |                 |             | -          |           |           |           |   |

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|--------------|----------------------------|-----------------|-------------|-----------|-----------|-----------|-----------|--|
| 49           | -                          |                 |             | -         |           |           |           |  |
| 100          | -                          |                 |             | -         |           |           |           |  |
| 101          | -                          |                 |             | -         |           |           |           |  |
| 102          | -                          |                 |             | -         |           |           |           |  |
| 103          | -                          |                 |             | -         |           |           |           |  |
| 104          | -                          |                 |             | -         |           |           |           |  |
| 105          | -                          |                 |             | -         |           |           |           |  |
| 106          | -                          |                 |             | -         |           |           |           |  |
| 107          | Temperature                | 40107           | Register    | Read only | Float     | 93.90     | -3.50     | Divide by 100 in Citect before displaying. Value in Celcius  |
| 108          | Phase A Frequency          | 40108           | Register    | Read only | Float     | 327.67    | 7.63      | Divide by 100 in Citect before displaying. Value in Hertz  |
| 109          | -                          |                 |             | -         |           |           |           |  |
| 110          | -                          |                 |             | -         |           |           |           |  |
| 111          | -                          |                 |             | -         |           |           |           |  |
| 112          | Phase A Voltage - Fast     | 40112           | Register    | Read only | Float     | 146.00    | 0.00      | Divide by 100 in Citect before displaying. Value scaled for 110V or 63.5 nominal secondary voltage |
| 113          | -                          |                 |             | -         |           |           |           |  |
| 114          | -                          |                 |             | -         |           |           |           |  |
| 115          | Phase A Voltage - Filtered | 40115           | Register    | Read only | Float     | 146.00    | 0.00      | Divide by 100 in Citect before displaying. Value scaled for 110V or 63.5 nominal secondary voltage |
| 116          | -                          |                 |             | -         |           |           |           |  |
| 117          | -                          |                 |             | -         |           |           |           |  |
| 118          | -                          |                 |             | -         |           |           |           |  |
| 119          | -                          |                 |             | -         |           |           |           |  |
| 120          | -                          |                 |             | -         |           |           |           |  |
| 121          | -                          |                 |             | -         |           |           |           |  |
| 122          | -                          |                 |             | -         |           |           |           |  |
| 123          | -                          |                 |             | -         |           |           |           |  |
| 124          | -                          |                 |             | -         |           |           |           |  |
| 125          | -                          |                 |             | -         |           |           |           |  |
| 126          | -                          |                 |             | -         |           |           |           |  |
| 127          | -                          |                 |             | -         |           |           |           |  |
| 128          | -                          |                 |             | -         |           |           |           |  |
| 129          | -                          |                 |             | -         |           |           |           |  |
| 130          | -                          |                 |             | -         |           |           |           |  |
| 131          | -                          |                 |             | -         |           |           |           |  |
| 132          | -                          |                 |             | -         |           |           |           |  |
| 133          | -                          |                 |             | -         |           |           |           |  |
| 134          | -                          |                 |             | -         |           |           |           |  |
| 135          | -                          |                 |             | -         |           |           |           |  |
| 136          | -                          |                 |             | -         |           |           |           |  |
| 137          | -                          |                 |             | -         |           |           |           |  |
| 138          | -                          |                 |             | -         |           |           |           |  |
| 139          | -                          |                 |             | -         |           |           |           |  |
| 140          | -                          |                 |             | -         |           |           |           |  |
| 141          | -                          |                 |             | -         |           |           |           |  |
| 142          | -                          |                 |             | -         |           |           |           |  |
| 143          | -                          |                 |             | -         |           |           |           |  |
| 144          | -                          |                 |             | -         |           |           |           |  |
| 145          | -                          |                 |             | -         |           |           |           |  |
| 146          | -                          |                 |             | -         |           |           |           |  |
| 147          | -                          |                 |             | -         |           |           |           |  |

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|--------------|---------------------------------|-----------------|-------------|------------|-----------|-----------|-----------|--|
| 148          | -                               |                 |             | -          |           |           |           |  |
| 149          | -                               |                 |             | -          |           |           |           |  |
| 150          | -                               |                 |             | -          |           |           |           |  |
| 151          | -                               |                 |             | -          |           |           |           |  |
| 152          | -                               |                 |             | -          |           |           |           |  |
| 153          | -                               |                 |             | -          |           |           |           |  |
| 154          | -                               |                 |             | -          |           |           |           |  |
| 155          | -                               |                 |             | -          |           |           |           |  |
| 156          | -                               |                 |             | -          |           |           |           |  |
| 157          | -                               |                 |             | -          |           |           |           |  |
| 158          | -                               |                 |             | -          |           |           |           |  |
| 159          | -                               |                 |             | -          |           |           |           |  |
| 160          | -                               |                 |             | -          |           |           |           |  |
| 161          | -                               |                 |             | -          |           |           |           |  |
| 162          | -                               |                 |             | -          |           |           |           |  |
| 163          | -                               |                 |             | -          |           |           |           |  |
| 164          | -                               |                 |             | -          |           |           |           |  |
| 165          | -                               |                 |             | -          |           |           |           |  |
| 166          | -                               |                 |             | -          |           |           |           |  |
| 167          | -                               |                 |             | -          |           |           |           |  |
| 168          | -                               |                 |             | -          |           |           |           |  |
| 169          | -                               |                 |             | -          |           |           |           |  |
| 170          | Phase A Stage 1 Threshold       | 40170           | Register    | Read/Write | Float     | 146.00    | 0.00      | Divide by 100 in Citect before displaying. Stage 1 Setpoint        |
| 171          | Phase A Stage 1 Hysteresis      | 40171           | Register    | Read/Write | Float     | 146.00    | 0.00      | Divide by 100 in Citect before displaying. Stage 1 Hysteresis      |
| 172          | Phase A Stage 2 Threshold       | 40172           | Register    | Read/Write | Float     | 146.00    | 0.00      | Divide by 100 in Citect before displaying. Stage 2 Setpoint        |
| 173          | Phase A Stage 2 Hysteresis      | 40173           | Register    | Read/Write | Float     | 146.00    | 0.00      | Divide by 100 in Citect before displaying. Stage 2 Hysteresis      |
| 174          | Phase A Stage 3 Threshold       | 40174           | Register    | Read/Write | Float     | 146.00    | 0.00      | Divide by 100 in Citect before displaying. Stage 3 Setpoint        |
| 175          | Phase A Stage 3 Hysteresis      | 40175           | Register    | Read/Write | Float     | 146.00    | 0.00      | Divide by 100 in Citect before displaying. Stage 3 Hysteresis      |
| 176          | Phase A Stage 4 Threshold       | 40176           | Register    | Read/Write | Float     | 146.00    | 0.00      | Divide by 100 in Citect before displaying. Stage 4 Setpoint        |
| 177          | Phase A Stage 4 Hysteresis      | 40177           | Register    | Read/Write | Float     | 146.00    | 0.00      | Divide by 100 in Citect before displaying. Stage 4 Hysteresis      |
| 178          | -                               |                 |             | -          |           |           |           |  |
| 179          | -                               |                 |             | -          |           |           |           |  |
| 180          | -                               |                 |             | -          |           |           |           |  |
| 181          | -                               |                 |             | -          |           |           |           |  |
| 182          | -                               |                 |             | -          |           |           |           |  |
| 183          | -                               |                 |             | -          |           |           |           |  |
| 184          | -                               |                 |             | -          |           |           |           |  |
| 185          | -                               |                 |             | -          |           |           |           |  |
| 186          | -                               |                 |             | -          |           |           |           |  |
| 187          | -                               |                 |             | -          |           |           |           |  |
| 188          | -                               |                 |             | -          |           |           |           |  |
| 189          | -                               |                 |             | -          |           |           |           |  |
| 190          | -                               |                 |             | -          |           |           |           |  |
| 191          | -                               |                 |             | -          |           |           |           |  |
| 192          | -                               |                 |             | -          |           |           |           |  |
| 193          | -                               |                 |             | -          |           |           |           |  |
| 194          | Phase A Undervoltage Threshold  | 40194           | Register    | Read/Write | Float     | 146.00    | 0.00      | Divide by 100 in Citect before displaying. Undervoltage Setpoint   |
| 195          | Phase A Undervoltage Hysteresis | 40195           | Register    | Read/Write | Float     | 146.00    | 0.00      | Divide by 100 in Citect before displaying. Undervoltage Hysteresis |
| 196          | -                               |                 |             | -          |           |           |           |  |

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|--------------|--------------------|-----------------|-------------|------------|-----------|-----------|-----------|--|
| 197          | -                  |                 |             | -          |           |           |           |  |
| 198          | -                  |                 |             | -          |           |           |           |  |
| 199          | -                  |                 |             | -          |           |           |           |  |
| 200          | -                  |                 |             | -          |           |           |           |  |
| 201          | -                  |                 |             | -          |           |           |           |  |
| 202          | Stage 1 Delay time | 40202           | Register    | Read/Write | Float     | 320.00    | 0.00      | Divide by 100 in Citect before displaying. Stage 1 Delay Time in seconds |
| 203          | Stage 1 Reset time | 40203           | Register    | Read/Write | Float     | 320.00    | 0.00      | Divide by 100 in Citect before displaying. Stage 1 Reset Time in seconds |
| 204          | Stage 2 Delay time | 40204           | Register    | Read/Write | Float     | 320.00    | 0.00      | Divide by 100 in Citect before displaying. Stage 2 Delay Time in seconds |
| 205          | Stage 2 Reset time | 40205           | Register    | Read/Write | Float     | 320.00    | 0.00      | Divide by 100 in Citect before displaying. Stage 2 Reset Time in seconds |
| 206          | Stage 3 Delay time | 40206           | Register    | Read/Write | Float     | 320.00    | 0.00      | Divide by 100 in Citect before displaying. Stage 3 Delay Time in seconds |
| 207          | Stage 3 Reset time | 40207           | Register    | Read/Write | Float     | 320.00    | 0.00      | Divide by 100 in Citect before displaying. Stage 3 Reset Time in seconds |
| 208          | Stage 4 Delay time | 40208           | Register    | Read/Write | Float     | 320.00    | 0.00      | Divide by 100 in Citect before displaying. Stage 4 Delay Time in seconds |
| 209          | Stage 4 Reset time | 40209           | Register    | Read/Write | Float     | 320.00    | 0.00      | Divide by 100 in Citect before displaying. Stage 4 Reset Time in seconds |
| 210          | -                  |                 |             | -          |           |           |           |  |
| 211          | -                  |                 |             | -          |           |           |           |  |
| 212          | -                  |                 |             | -          |           |           |           |  |
| 213          | -                  |                 |             | -          |           |           |           |  |
| 214          | -                  |                 |             | -          |           |           |           |  |
| 215          | -                  |                 |             | -          |           |           |           |  |
| 216          | -                  |                 |             | -          |           |           |           |  |
| 217          | -                  |                 |             | -          |           |           |           |  |
| 218          | -                  |                 |             | -          |           |           |           |  |
| 219          | -                  |                 |             | -          |           |           |           |  |
| 220          | -                  |                 |             | -          |           |           |           |  |
| 221          | -                  |                 |             | -          |           |           |           |  |
| 222          | -                  |                 |             | -          |           |           |           |  |
| 223          | -                  |                 |             | -          |           |           |           |  |
| 224          | -                  |                 |             | -          |           |           |           |  |
| 225          | -                  |                 |             | -          |           |           |           |  |
| 226          | -                  |                 |             | -          |           |           |           |  |
| 227          | -                  |                 |             | -          |           |           |           |  |
| 228          | -                  |                 |             | -          |           |           |           |  |
| 229          | -                  |                 |             | -          |           |           |           |  |
| 230          | -                  |                 |             | -          |           |           |           |  |
| 231          | -                  |                 |             | -          |           |           |           |  |
| 232          | -                  |                 |             | -          |           |           |           |  |
| 233          | -                  |                 |             | -          |           |           |           |  |
| 234          | -                  |                 |             | -          |           |           |           |  |
| 235          | -                  |                 |             | -          |           |           |           |  |
| 236          | -                  |                 |             | -          |           |           |           |  |
| 237          | -                  |                 |             | -          |           |           |           |  |
| 238          | -                  |                 |             | -          |           |           |           |  |
| 239          | -                  |                 |             | -          |           |           |           |  |
| 240          | -                  |                 |             | -          |           |           |           |  |
| 241          | -                  |                 |             | -          |           |           |           |  |
| 242          | -                  |                 |             | -          |           |           |           |  |
| 243          | -                  |                 |             | -          |           |           |           |  |
| 244          | -                  |                 |             | -          |           |           |           |  |
| 245          | -                  |                 |             | -          |           |           |           |  |

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|--------------|----------------------------|-----------------|-------------|------------|-----------|-----------|-----------|--|
| 246          | -                          |                 |             | -          |           |           |           |  |
| 247          | -                          |                 |             | -          |           |           |           |  |
| 248          | -                          |                 |             | -          |           |           |           |  |
| 249          | -                          |                 |             | -          |           |           |           |  |
| 250          | -                          |                 |             | -          |           |           |           |  |
| 251          | -                          |                 |             | -          |           |           |           |  |
| 252          | -                          |                 |             | -          |           |           |           |  |
| 253          | -                          |                 |             | -          |           |           |           |  |
| 254          | -                          |                 |             | -          |           |           |           |  |
| 255          | -                          |                 |             | -          |           |           |           |  |
| 256          | -                          |                 |             | -          |           |           |           |  |
| 257          | -                          |                 |             | -          |           |           |           |  |
| 258          | -                          |                 |             | -          |           |           |           |  |
| 259          | -                          |                 |             | -          |           |           |           |  |
| 260          | -                          |                 |             | -          |           |           |           |  |
| 261          | -                          |                 |             | -          |           |           |           |  |
| 262          | -                          |                 |             | -          |           |           |           |  |
| 263          | -                          |                 |             | -          |           |           |           |  |
| 264          | -                          |                 |             | -          |           |           |           |  |
| 265          | -                          |                 |             | -          |           |           |           |  |
| 266          | -                          |                 |             | -          |           |           |           |  |
| 267          | -                          |                 |             | -          |           |           |           |  |
| 268          | -                          |                 |             | -          |           |           |           |  |
| 269          | -                          |                 |             | -          |           |           |           |  |
| 556          | Phase A Calibration Adjust | 40556           | Register    | Read/Write | Float     | 5.00      | -5.00     | Divide by 100 in Citect before displaying. |
| 557          | -                          |                 |             | -          |           |           |           |  |
| 558          | -                          |                 |             | -          |           |           |           |  |
| 559          | -                          |                 |             | -          |           |           |           |  |
| 560          | -                          |                 |             | -          |           |           |           |  |
| 561          | -                          |                 |             | -          |           |           |           |  |
| 562          | -                          |                 |             | -          |           |           |           |  |
| 563          | -                          |                 |             | -          |           |           |           |  |
| 564          | -                          |                 |             | -          |           |           |           |  |
| 565          | -                          |                 |             | -          |           |           |           |  |
| 566          | -                          |                 |             | -          |           |           |           |  |
| 567          | -                          |                 |             | -          |           |           |           |  |
| 568          | -                          |                 |             | -          |           |           |           |  |
| 569          | -                          |                 |             | -          |           |           |           |  |
| 570          | -                          |                 |             | -          |           |           |           |  |
| 571          | -                          |                 |             | -          |           |           |           |  |
| 572          | -                          |                 |             | -          |           |           |           |  |
| 573          | -                          |                 |             | -          |           |           |           |  |
| 574          | -                          |                 |             | -          |           |           |           |  |
| 575          | -                          |                 |             | -          |           |           |           |  |
| 576          | -                          |                 |             | -          |           |           |           |  |
| 577          | -                          |                 |             | -          |           |           |           |  |
| 578          | -                          |                 |             | -          |           |           |           |  |
| 579          | -                          |                 |             | -          |           |           |           |  |
| 600          | Remote Enable Input State  | 00600           | Coil        | Read only  | Bit       | TRUE      | FALSE     | True if remotely enabled.                  |

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|--------------|--------------------------------|-----------------|-------------|-----------|-----------|-----------|-----------|--|
| 601          | -                              |                 |             | -         |           |           |           |  |
| 602          | Remote Flags Reset Input State | 00602           | Coil        | Read only | Bit       | TRUE      | FALSE     | True to clear front panel LEDs   |
| 603          | -                              |                 |             | -         |           |           |           |  |
| 604          | -                              |                 |             | -         |           |           |           |  |
| 605          | -                              |                 |             | -         |           |           |           |  |
| 606          | -                              |                 |             | -         |           |           |           |  |
| 607          | -                              |                 |             | -         |           |           |           |  |
| 608          | "SET" Key State                | 00608           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if "SET" Key pressed  |
| 609          | "DATA" Key State               | 00609           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if "DATA" Key pressed   |
| 610          | "UP" Key State                 | 00610           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if "UP" Key pressed   |
| 611          | "DOWN" Key State               | 00611           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if "DOWN" Key pressed   |
| 612          | "SELECT" Key State             | 00612           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if "SELECT" Key pressed   |
| 613          | -                              |                 |             | -         |           |           |           |  |
| 614          | -                              |                 |             | -         |           |           |           |  |
| 615          | Host Flags Reset Input         | 00615           | Coil        | Read only | Bit       | TRUE      | FALSE     | Rests false. Must be pulsed true for at least 40msec to clear front panel LEDs |
| 616          | Phase A Stage 1 Exceeded       | 00616           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if Phase A voltage is greater than Stage 1 Setpoint                       |
| 617          | Phase A Stage 2 Exceeded       | 00617           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if Phase A voltage is greater than Stage 2 Setpoint                       |
| 618          | Phase A Stage 3 Exceeded       | 00618           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if Phase A voltage is less than Stage 3 Setpoint                          |
| 619          | Phase A Stage 4 Exceeded       | 00619           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if Phase A voltage is less than Stage 4 Setpoint                          |
| 620          | -                              |                 |             | -         |           |           |           |  |
| 621          | -                              |                 |             | -         |           |           |           |  |
| 622          | -                              |                 |             | -         |           |           |           |  |
| 623          | -                              |                 |             | -         |           |           |           |  |
| 624          | -                              |                 |             | -         |           |           |           |  |
| 625          | -                              |                 |             | -         |           |           |           |  |
| 626          | -                              |                 |             | -         |           |           |           |  |
| 627          | -                              |                 |             | -         |           |           |           |  |
| 628          | Phase A Undervoltage Exceeded  | 00628           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if Phase A voltage is less than Undervoltage Setpoint                     |
| 629          | -                              |                 |             | -         |           |           |           |  |
| 630          | -                              |                 |             | -         |           |           |           |  |
| 631          | -                              |                 |             | -         |           |           |           |  |
| 648          | Stage 1 Timing                 | 00648           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if Stage 1 Timing   |
| 649          | Stage 1 Tripped                | 00649           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if Stage 1 Delay has expired  |
| 650          | Stage 2 Timing                 | 00650           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if Stage 2 Timing   |
| 651          | Stage 2 Tripped                | 00651           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if Stage 2 Delay has expired  |
| 652          | Stage 3 Timing                 | 00652           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if Stage 3 Timing   |
| 653          | Stage 3 Tripped                | 00653           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if Stage 3 Delay has expired  |
| 654          | Stage 4 Timing                 | 00654           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if Stage 4 Timing   |
| 655          | Stage 4 Tripped                | 00655           | Coil        | Read only | Bit       | TRUE      | FALSE     | True if Stage 4 Delay has expired  |
| 656          | -                              |                 |             | -         |           |           |           |  |
| 657          | -                              |                 |             | -         |           |           |           |  |
| 658          | -                              |                 |             | -         |           |           |           |  |
| 659          | -                              |                 |             | -         |           |           |           |  |
| 660          | -                              |                 |             | -         |           |           |           |  |
| 661          | -                              |                 |             | -         |           |           |           |  |
| 662          | -                              |                 |             | -         |           |           |           |  |
| 663          | -                              |                 |             | -         |           |           |           |  |
| 664          | -                              |                 |             | -         |           |           |           |  |
| 665          | -                              |                 |             | -         |           |           |           |  |

| CDB REGISTER | CONTENTS                 | MODBUS REGISTER | MODBUS TYPE | ACCESS     | DATA TYPE | MAX VALUE | MIN VALUE | COMMENT  |
|--------------|--------------------------|-----------------|-------------|------------|-----------|-----------|-----------|--|
| 666          | -                        |                 |             | -          |           |           |           |  |
| 667          | -                        |                 |             | -          |           |           |           |  |
| 668          | -                        |                 |             | -          |           |           |           |  |
| 669          | Not undervolts           | 00669           | Coil        | Read only  | Bit       | TRUE      | FALSE     | True if all Phase voltages are greater than the Undervoltage Setpoint+Hysteresis |
| 670          | Reset Flags              | 00670           | Coil        | Read only  | Bit       | TRUE      | FALSE     | True if remote or host reset flags requested                                     |
| 671          | -                        |                 |             | -          |           |           |           |  |
| 672          | -                        |                 |             | -          |           |           |           |  |
| 673          | Lockout                  | 00673           | Coil        | Read only  | Bit       | TRUE      | FALSE     | True if remote disabled or any Phase voltage is less than Undervoltage Setpoint  |
| 674          | -                        |                 |             | -          |           |           |           |  |
| 675          | Relay Disable State      | 00675           | Coil        | Read only  | Bit       | TRUE      | FALSE     | True if relay disabled.  |
| 676          | -                        |                 |             | -          |           |           |           |  |
| 677          | -                        |                 |             | -          |           |           |           |  |
| 678          | -                        |                 |             | -          |           |           |           |  |
| 679          | -                        |                 |             | -          |           |           |           |  |
| 680          | Stage 1 Flag Latch       | 00680           | Coil        | Read only  | Bit       | TRUE      | FALSE     | True if Stage 1 LED is on  |
| 681          | Stage 2 Flag Latch       | 00681           | Coil        | Read only  | Bit       | TRUE      | FALSE     | True if Stage 2 LED is on  |
| 682          | Stage 3 Flag Latch       | 00682           | Coil        | Read only  | Bit       | TRUE      | FALSE     | True if Stage 3 LED is on  |
| 683          | Stage 4 Flag Latch       | 00683           | Coil        | Read only  | Bit       | TRUE      | FALSE     | True if Stage 4 LED is on  |
| 684          | -                        |                 |             | -          |           |           |           |  |
| 685          | -                        |                 |             | -          |           |           |           |  |
| 686          | -                        |                 |             | -          |           |           |           |  |
| 687          | -                        |                 |             | -          |           |           |           |  |
| 688          | -                        |                 |             | -          |           |           |           |  |
| 689          | -                        |                 |             | -          |           |           |           |  |
| 690          | -                        |                 |             | -          |           |           |           |  |
| 691          | -                        |                 |             | -          |           |           |           |  |
| 692          | -                        |                 |             | -          |           |           |           |  |
| 693          | -                        |                 |             | -          |           |           |           |  |
| 694          | -                        |                 |             | -          |           |           |           |  |
| 695          | -                        |                 |             | -          |           |           |           |  |
| 760          | Remote Enable Sense      | 00760           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True if Apply Volts Enables the relay, False if Remove Volts Enables the relay   |
| 761          | -                        |                 |             | -          |           |           |           |  |
| 762          | Remote Reset Flags Sense | 00762           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True if Apply Volts clears LEDs, False if Remove Volts clears LEDs               |
| 763          | -                        |                 |             | -          |           |           |           |  |
| 764          | -                        |                 |             | -          |           |           |           |  |
| 765          | -                        |                 |             | -          |           |           |           |  |
| 766          | -                        |                 |             | -          |           |           |           |  |
| 767          | -                        |                 |             | -          |           |           |           |  |
| 768          | -                        |                 |             | -          |           |           |           |  |
| 769          | -                        |                 |             | -          |           |           |           |  |
| 770          | -                        |                 |             | -          |           |           |           |  |
| 771          | -                        |                 |             | -          |           |           |           |  |
| 772          | -                        |                 |             | -          |           |           |           |  |
| 773          | -                        |                 |             | -          |           |           |           |  |
| 774          | -                        |                 |             | -          |           |           |           |  |
| 775          | -                        |                 |             | -          |           |           |           |  |
| 776          | -                        |                 |             | -          |           |           |           |  |
| 777          | -                        |                 |             | -          |           |           |           |  |
| 778          | -                        |                 |             | -          |           |           |           |  |

| CDB REGISTER | CONTENTS                  | MODBUS REGISTER | MODBUS TYPE | ACCESS     | DATA TYPE | MAX VALUE | MIN VALUE | COMMENT   |
|--------------|---------------------------|-----------------|-------------|------------|-----------|-----------|-----------|---|
| 779          | -                         |                 |             | -          |           |           |           |   |
| 780          | -                         |                 |             | -          |           |           |           |   |
| 781          | -                         |                 |             | -          |           |           |           |   |
| 782          | -                         |                 |             | -          |           |           |           |   |
| 783          | -                         |                 |             | -          |           |           |           |   |
| 784          | -                         |                 |             | -          |           |           |           |   |
| 785          | -                         |                 |             | -          |           |           |           |   |
| 786          | -                         |                 |             | -          |           |           |           |   |
| 787          | -                         |                 |             | -          |           |           |           |   |
| 788          | -                         |                 |             | -          |           |           |           |   |
| 789          | -                         |                 |             | -          |           |           |           |   |
| 790          | -                         |                 |             | -          |           |           |           |   |
| 791          | -                         |                 |             | -          |           |           |           |   |
| 808          | Phase A Stage 1 Sense     | 00808           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True if Overvoltage stage, False if Undervoltage stage                      |
| 809          | Phase A Stage 2 Sense     | 00809           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True if Overvoltage stage, False if Undervoltage stage                      |
| 810          | Phase A Stage 3 Sense     | 00810           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True if Overvoltage stage, False if Undervoltage stage                      |
| 811          | Phase A Stage 4 Sense     | 00811           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True if Overvoltage stage, False if Undervoltage stage                      |
| 812          | -                         |                 |             | -          |           |           |           |   |
| 813          | -                         |                 |             | -          |           |           |           |   |
| 814          | -                         |                 |             | -          |           |           |           |   |
| 815          | -                         |                 |             | -          |           |           |           |   |
| 816          | -                         |                 |             | -          |           |           |           |   |
| 817          | -                         |                 |             | -          |           |           |           |   |
| 818          | -                         |                 |             | -          |           |           |           |   |
| 819          | -                         |                 |             | -          |           |           |           |   |
| 820          | -                         |                 |             | -          |           |           |           |   |
| 821          | -                         |                 |             | -          |           |           |           |   |
| 822          | -                         |                 |             | -          |           |           |           |   |
| 823          | -                         |                 |             | -          |           |           |           |   |
| 880          | Undervoltage Lockout Mode | 00880           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True is U/V lockout enabled, False if U/V lockout disabled                  |
| 881          | VT Mode                   | 00881           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True is Phase - Neutral (not used if VT Tap = 110V), False is Phase - Phase |
| 882          | VT Tap                    | 00882           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True is 110V, False is 63.5V.   |
| 883          | -                         |                 |             | -          |           |           |           |   |
| 884          | -                         |                 |             | -          |           |           |           |   |
| 885          | -                         |                 |             | -          |           |           |           |   |
| 886          | -                         |                 |             | -          |           |           |           |   |
| 887          | -                         |                 |             | -          |           |           |           |   |
| 888          | -                         |                 |             | -          |           |           |           |   |
| 889          | -                         |                 |             | -          |           |           |           |   |
| 890          | -                         |                 |             | -          |           |           |           |   |
| 891          | -                         |                 |             | -          |           |           |           |   |
| 892          | -                         |                 |             | -          |           |           |           |   |
| 893          | -                         |                 |             | -          |           |           |           |   |
| 894          | -                         |                 |             | -          |           |           |           |   |
| 895          | -                         |                 |             | -          |           |           |           |   |
| 896          | -                         |                 |             | -          |           |           |           |   |
| 897          | -                         |                 |             | -          |           |           |           |   |
| 898          | -                         |                 |             | -          |           |           |           |   |
| 899          | -                         |                 |             | -          |           |           |           |   |

| CDB REGISTER | CONTENTS               | MODBUS REGISTER | MODBUS TYPE | ACCESS     | DATA TYPE | MAX VALUE | MIN VALUE | COMMENT   |
|--------------|------------------------|-----------------|-------------|------------|-----------|-----------|-----------|---|
| 900          | -                      |                 |             | -          |           |           |           |   |
| 901          | -                      |                 |             | -          |           |           |           |   |
| 902          | -                      |                 |             | -          |           |           |           |   |
| 903          | -                      |                 |             | -          |           |           |           |   |
| 920          | Host Parity Enable     | 00920           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True if Parity checking enabled for the programming port        |
| 921          | Host Parity Odd/Even   | 00921           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True if Parity checking is set to Odd for the programming port  |
| 922          | Host Baud 0            | 00922           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | Programming port baud rate selector                             |
| 923          | Host Baud 1            | 00923           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | Programming port baud rate selector                             |
| 924          | Host Baud 2            | 00924           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | Programming port baud rate selector                             |
| 925          | Host data bits         | 00925           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True if the programming port uses 7 data bits, else 8 data bits |
| 926          | Host stop bits         | 00926           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True if the programming port uses 2 stop bits, else 1 stop bit  |
| 927          | -                      |                 |             | -          |           |           |           |   |
| 928          | Modbus Parity Enable   | 00928           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True if Parity checking enabled for the Modbus port             |
| 929          | Modbus Parity Odd/Even | 00929           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True if Parity checking is set to Odd for the Modbus port       |
| 930          | Modbus Baud 0          | 00930           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | Modbus port baud rate selector                                  |
| 931          | Modbus Baud 1          | 00931           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | Modbus port baud rate selector                                  |
| 932          | Modbus Baud 2          | 00932           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | Modbus port baud rate selector                                  |
| 933          | Modbus data bits       | 00933           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True if the Modbus port uses 7 data bits, else 8 data bits      |
| 934          | Modbus stop bits       | 00934           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | True if the Modbus port uses 2 stop bits, else 1 stop bit       |
| 935          | -                      |                 |             | -          |           |           |           |   |
| 936          | Modbus CDB save        | 00936           | Coil        | Read/Write | Bit       | TRUE      | FALSE     | Saves current CDB when pulsed True then False                   |
| 960          | -                      |                 |             | -          |           |           |           |   |
| 961          | -                      |                 |             | -          |           |           |           |   |
| 962          | -                      |                 |             | -          |           |           |           |   |
| 963          | -                      |                 |             | -          |           |           |           |   |
| 964          | -                      |                 |             | -          |           |           |           |   |
| 965          | -                      |                 |             | -          |           |           |           |   |
| 966          | -                      |                 |             | -          |           |           |           |   |
| 967          | -                      |                 |             | -          |           |           |           |   |
| 968          | -                      |                 |             | -          |           |           |           |   |
| 969          | -                      |                 |             | -          |           |           |           |   |
| 970          | -                      |                 |             | -          |           |           |           |   |
| 971          | -                      |                 |             | -          |           |           |           |   |
| 972          | -                      |                 |             | -          |           |           |           |   |
| 973          | -                      |                 |             | -          |           |           |           |   |
| 974          | -                      |                 |             | -          |           |           |           |   |
| 975          | -                      |                 |             | -          |           |           |           |   |
| 976          | -                      |                 |             | -          |           |           |           |   |
| 977          | -                      |                 |             | -          |           |           |           |   |
| 978          | -                      |                 |             | -          |           |           |           |   |
| 979          | -                      |                 |             | -          |           |           |           |   |
| 980          | -                      |                 |             | -          |           |           |           |   |
| 981          | -                      |                 |             | -          |           |           |           |   |
| 982          | -                      |                 |             | -          |           |           |           |   |
| 983          | -                      |                 |             | -          |           |           |           |   |
| 984          | -                      |                 |             | -          |           |           |           |   |
| 985          | -                      |                 |             | -          |           |           |           |   |
| 986          | -                      |                 |             | -          |           |           |           |   |
| 987          | -                      |                 |             | -          |           |           |           |   |

| CDB REGISTER | CONTENTS                     | MODBUS REGISTER | MODBUS TYPE | ACCESS    | DATA TYPE | MAX VALUE | MIN VALUE | COMMENT                      |
|--------------|------------------------------|-----------------|-------------|-----------|-----------|-----------|-----------|------------------------------|
| 988          | -                            |                 |             | -         |           |           |           |                              |
| 989          | -                            |                 |             | -         |           |           |           |                              |
| 990          | -                            |                 |             | -         |           |           |           |                              |
| 991          | -                            |                 |             | -         |           |           |           |                              |
| 992          | -                            |                 |             | -         |           |           |           |                              |
| 993          | -                            |                 |             | -         |           |           |           |                              |
| 994          | -                            |                 |             | -         |           |           |           |                              |
| 995          | -                            |                 |             | -         |           |           |           |                              |
| 996          | -                            |                 |             | -         |           |           |           |                              |
| 997          | -                            |                 |             | -         |           |           |           |                              |
| 998          | -                            |                 |             | -         |           |           |           |                              |
| 999          | -                            |                 |             | -         |           |           |           |                              |
| 1000         | Relay Serial Number          | 41000           | String      | Read only | String    | -         | -         | Occupies 5 integer registers |
| 1005         | Relay Hardware Configuration | 41005           | String      | Read only | String    | -         | -         | Occupies 2 integer registers |
| 1007         | BIOS Version                 | 41007           | String      | Read only | String    | -         | -         | Occupies 3 integer registers |
| 1010         | Software Model               | 41010           | String      | Read only | String    | -         | -         | Occupies 7 integer registers |
| 1017         | CDB Name                     | 41017           | String      | Read only | String    | -         | -         | Occupies 8 integer registers |
| 1025         | Software Version             | 41025           | String      | Read only | String    | -         | -         | Occupies 3 integer registers |