





CEE Relays Ltd.  
 87C Whitby Road  
 Slough  
 SL1 3DR  
 T: +44 1753 576477  
 F: +44 1753 825661  
 www.ceerelays.co.uk



|            |  |      |       |     |      |      |      |      |      |      |     |      |    |         |     |    |    |
|------------|--|------|-------|-----|------|------|------|------|------|------|-----|------|----|---------|-----|----|----|
| NPI800R    | 3-Phase Overcurrent, Earth Fault and Thermal (R case)                        | 46   | 46BC  | 49  | 50   | 50N  | 50BF | 51   | 51N  | 74TC | 86  |      |    | S.39962 | R2  |    |    |
| NPID800    | Directional 3-Phase Overcurrent and Earth Fault and Thermal                  | 46   | 46BC  | 49  | 50   | 50N  | 50BF | 51   | 51N  | 67   | 67N | 74TC | 86 | S.38019 |     |    |    |
| NPID800R   | Directional 3-Phase Overcurrent and Earth Fault and Thermal (R case)         | 46   | 46BC  | 49  | 50   | 50N  | 50BF | 51   | 51N  | 67   | 67N | 74TC | 86 | S.39963 | R3  |    |    |
| NPIH800    | Earth Fault  | 50N  | 50NBF | 51N | 74TC | 86   |      |      |      |      |     |      |    | S.38021 |     |    |    |
| NPIH800R   | Earth Fault (R case)   | 50N  | 50NBF | 51N | 74TC | 86   |      |      |      |      |     |      |    | S.39964 | R2  |    |    |
| NPIHD800   | Directional Earth Fault  | 50N  | 50NBF | 51N | 67N  | 74TC | 86   |      |      |      |     |      |    | S.38022 |     |    |    |
| NPIHD800R  | Directional Earth Fault (R case)   | 50N  | 50NBF | 51N | 67N  | 74TC | 86   |      |      |      |     |      |    | S.39965 | R2  |    |    |
| NPM800     | Multi Function Motor Protection  | 5/49 | 37I   | 46  | 48   | 49   | 50   | 50BF | 51N  | 51LR | 66  | 74TC | 86 | S.38024 |     |    |    |
| NPM800R    | Multi Function Motor Protection (R2 case)                                    | 5/49 | 37I   | 46  | 48   | 49   | 50   | 50BF | 51N  | 51LR | 66  | 74TC | 86 | S.39966 | R2  |    |    |
| NPM800RE   | Multi Function Motor Protection (R3 case)                                    | 5/49 | 37I   | 46  | 48   | 49   | 50   | 50BF | 51N  | 51LR | 66  | 74TC | 86 | S.39971 | R3  |    |    |
| NPRG810-1G | Check Synchronising (1 generator)  | 25   |       |     |      |      |      |      |      |      |     |      |    | S.39371 |     |    |    |
| NPRG810-4G | Check Synchronising (4 generators)   | 25   |       |     |      |      |      |      |      |      |     |      |    | S.39610 |     |    |    |
| NPRG860    | Automatic Synchroniser & Coupler   | 25   | 90    | TA  |      |      |      |      |      |      |     |      |    | S.38894 |     |    |    |
| NPRG870    | Automatic Synchroniser & Coupler   | 25   | 90    | TA  |      |      |      |      |      |      |     |      |    | S.38895 |     |    |    |
| NPSC800-1  | Check Synchronising  | 25   |       |     |      |      |      |      |      |      |     |      |    | S.38893 |     |    |    |
| NPSC800-2  | Check Synchronising (L&B)  | 25   |       |     |      |      |      |      |      |      |     |      |    | S.39609 |     |    |    |
| NPSC800R   | Check Synchronising (R2 case)  | 25   |       |     |      |      |      |      |      |      |     |      |    | S.39967 | R2  |    |    |
| NPSC800RE  | Check Synchronising (R3 case, L&B)   | 25   |       |     |      |      |      |      |      |      |     |      |    | S.39972 | R3  |    |    |
| NPU800     | 3-phase Under/Over Voltage & Under/Over Frequency                            | 27   | 27P   | 59  | 81.O | 81.U | 74TC | 86   |      |      |     |      |    | S.38025 |     |    |    |
| NPU800R    | 3-phase Under/Over Voltage & Under/Over Frequency (R2 case)                  | 27   | 27P   | 47  | 59   | 59N  | 81.O | 81.U | 74TC | 86   |     |      |    | S.39968 | R2  |    |    |
| NPU800RE   | 3-phase Under/Over Voltage & Under/Over Frequency (R3 case)                  | 27   | 27P   | 47  | 59   | 59N  | 81.O | 81.U | 74TC | 86   |     |      |    | S.39973 | R3  |    |    |
| NPUH800    | Zero Sequence Overvoltage  | 59N  | 74TC  | 86  |      |      |      |      |      |      |     |      |    | S.38025 |     |    |    |
| NPUH800R   | Zero Sequence Overvoltage (R case)   | 59N  | 74TC  | 86  |      |      |      |      |      |      |     |      |    | S.39969 | R2  |    |    |
| NPW800     | Power protection   | 32P  | 32Q   | 37P | 37Q  | 27   | 59   | 59N  | 55   | 81U  | 81O | 74TC | 86 | BF      | Q/P | ΣP | ΣQ |
| NPW800R    | Power protection (R case)  | 32P  | 32Q   | 37P | 37Q  | 27   | 59   | 59N  | 55   | 81U  | 81O | 74TC | 86 | BF      | Q/P | ΣP | ΣQ |
| PMG7043    | Disturbance Analyser: 4 Current Inputs + 2 Programmable Levels               |      |       |     |      |      |      |      |      |      |     |      |    | 30A6    | R3  |    |    |
| PMG7044    | Disturbance Analyser: 4 Voltage Inputs + 2 Programmable Levels               |      |       |     |      |      |      |      |      |      |     |      |    | 30A7    | R3  |    |    |
| PTG7111    | Reverse power  | 32   |       |     |      |      |      |      |      |      |     |      |    | 9696    | R2  |    |    |
| PTG7113    | Underpower   | 32   | 37    |     |      |      |      |      |      |      |     |      |    | 9697    | R2  |    |    |
| RAD7004    | Aux Trip with 4 H/R Contacts and H/R flag                                    | 30   | 86    | 94  |      |      |      |      |      |      |     |      |    | 9837    | R1  |    |    |
| RAD7006    | Aux Trip with 6 H/R Contacts and H/R flag                                    | 30   | 86    | 94  |      |      |      |      |      |      |     |      |    | SL_5013 | R2  |    |    |
| RAD7008    | Aux Trip with 8 H/R Contacts and H/R flag                                    | 30   | 86    | 94  |      |      |      |      |      |      |     |      |    | SL_5001 | R2  |    |    |
| RAD7010    | Aux Trip with 10 H/R Contacts and H/R flag                                   | 30   | 86    | 94  |      |      |      |      |      |      |     |      |    | SL_5002 | R2  |    |    |
| RADE7010   | Aux Trip + 10 Elec H/R or Elec/R Contacts                                    | 30   | 86    | 94  |      |      |      |      |      |      |     |      |    | 9838    | R2  |    |    |
| RMS711     | Multi-curve 1 Phase Overcurrent or Earth Fault                               | 50   | 50N   | 51  | 51N  |      |      |      |      |      |     |      |    | 31A1    | R2  |    |    |
| RMS761     | Multi-curve 3 Phase Overcurrent  | 50   | 51    |     |      |      |      |      |      |      |     |      |    | 31A2    | R2  |    |    |
| RMS771     | Multi-curve 2 Phase Overcurrent and Earth Fault                              | 50   | 50N   | 51  | 51N  |      |      |      |      |      |     |      |    | 31A3    | R2  |    |    |
| RMS791     | Multi-curve 3 Phase Overcurrent and Earth Fault                              | 50   | 50N   | 51  | 51N  |      |      |      |      |      |     |      |    | 32A1    | R3  |    |    |
| RMS7992    | Multi-curve 3 Phase Overcurrent & Earth Fault with High Sets                 | 50   | 50N   | 51  | 51N  | 68   |      |      |      |      |     |      |    | 08A5    | R3  |    |    |
| RMSA7992   | Multi-curve 3 Ph Overcurrent & Earth Fault with High Sets without Aux Supply | 50   | 50N   | 51  | 51N  |      |      |      |      |      |     |      |    | 07A9    | R4  |    |    |
| RMSD7912   | Multi-curve Directional Earth Fault  | 67N  |       |     |      |      |      |      |      |      |     |      |    | 07A8    | R3  |    |    |
| RMSD7921   | Multi-curve 2 Phase Directional Overcurrent                                  | 67   |       |     |      |      |      |      |      |      |     |      |    | 05A8    | R3  |    |    |
| RMSR7992   | Multi-curve 3 Ph O/C & Directional (selectable) E/F + Recloser               | 50   | 50N   | 51  | 51N  | 67N  | 68   |      |      |      |     |      |    | 13A3    | R4  |    |    |
| RMST7992   | Multi-curve 3 Phase Overcurrent + Earth Fault with High Sets + Thermal       | 49   | 50    | 50N | 51   | 51N  | 68   |      |      |      |     |      |    | 10A3    | R3  |    |    |
| STEP7040   | Temperature Supervision (4 channels)   | 26   | 38    | 49  |      |      |      |      |      |      |     |      |    | 9720    | R4  |    |    |
| STEP7060   | Temperature Supervision (6 channels)   | 26   | 38    | 49  |      |      |      |      |      |      |     |      |    | 9721    | R4  |    |    |
| STS7041    | Check Synchronising  | 25   |       |     |      |      |      |      |      |      |     |      |    | 9848    | R3  |    |    |
| TAA7010    | DC Auxiliary 4 contacts  | AUX  |       |     |      |      |      |      |      |      |     |      |    | 9666    | R1  |    |    |
| TAA7020    | DC Auxiliary (2 elements, each 2 contacts)                                   | AUX  |       |     |      |      |      |      |      |      |     |      |    | 9668    | R1  |    |    |
| TAA7030    | DC Auxiliary (3 elements, each 3 contacts)                                   | AUX  |       |     |      |      |      |      |      |      |     |      |    | 9011    | R2  |    |    |



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|----------|--|------|------|------|----|-----|--|--|-----------|----|
| TAA7040  | DC Auxiliary (4 elements, each 2 contacts)                 | AUX  |      |      |    |     |  |  | 9006      | R2 |
| TAX7031  | Trip circuit supervision                                   | 74   |      |      |    |     |  |  | 9761      | R1 |
| TLC7000  | Remote control handset for CMS                             |      |      |      |    |     |  |  | 05A6      |    |
| TMS711   | 1 Phase Multicurve Under & Over Voltage                    | 27   | 59   |      |    |     |  |  | 31A6      | R2 |
| TMS714   | Zero Sequence Multicurve Over Voltage Relay                | 59N  |      |      |    |     |  |  | 31A7      | R2 |
| TMS761   | 3 Phase Multicurve Under & Over Voltage                    | 27   | 59   |      |    |     |  |  | 31A8      | R2 |
| TMS7003  | 3 Phase Digital Multicurve Under & Over Voltage Relay (3U) | 27   | 27P  | 47   | 59 | 59N |  |  | 20A1      | R3 |
| TMS7004  | 3 Phase Digital Multicurve Under & Over Voltage Relay (3V) | 27   | 27P  | 47   | 59 | 59N |  |  | 20A2      | R3 |
| TTB7011  | Instantaneous DC Overvoltage                               | 59DC |      |      |    |     |  |  | 9652      | R1 |
| TTB7013  | Instantaneous DC Undervoltage                              | 27DC |      |      |    |     |  |  | 9653      | R1 |
| TTB7025  | Under and Over-excitation                                  | 27DC |      |      |    |     |  |  | 9653      | R1 |
| TTB7026  | 2 Level Under-excitation                                   | 12   | 27DC | 37DC | 40 |     |  |  | 9984      | R2 |
| TTE7015  | Rotor Earth Fault  | 64   |      |      |    |     |  |  | 9676/9801 | R2 |
| TTE7017  | Rotor Earth Fault  | 64   |      |      |    |     |  |  | 9806      | R2 |
| TTG7011  | Instantaneous AC Overvoltage                               | 59   |      |      |    |     |  |  | 8114      | R1 |
| TTG7012  | Instantaneous AC Undervoltage                              | 27   |      |      |    |     |  |  | 8727      | R1 |
| TTG7013  | Instantaneous AC Undervoltage                              | 27   |      |      |    |     |  |  | 8116      | R1 |
| TTG7032  | Instantaneous 3 Phase Undervoltage                         | 27   |      |      |    |     |  |  | 9830      | R2 |
| TTG7033  | Instantaneous AC 3 Phase Undervoltage                      | 27   |      |      |    |     |  |  | 8470      | R2 |
| TTG7034  | Neutral Voltage Displacement Relay - Instantaneous         | 27   |      |      |    |     |  |  | 8470      | R2 |
| TTG7111  | Definite Time Overvoltage                                  | 59   |      |      |    |     |  |  | 8113      | R1 |
| TTG7112  | Definite Time Undervoltage                                 | 27   |      |      |    |     |  |  | 8728      | R1 |
| TTG7113  | Definite Time Undervoltage                                 | 27   |      |      |    |     |  |  | 8115      | R1 |
| TTG7114  | Neutral Displacement or Zero Sequence Overvoltage          | 59N  | 64   |      |    |     |  |  | 9383      | R2 |
| TTG7123  | Definite Time 2 Phase Undervoltage                         | 27   |      |      |    |     |  |  | 8173      | R2 |
| TTG7125  | 2 x (Independent) Element Undervoltage                     | 27   |      |      |    |     |  |  | 8772      | R2 |
| TTG7132  | Definite Time 3 Phase Undervoltage                         | 27   |      |      |    |     |  |  | 9829      | R2 |
| TTG7133  | Definite Time 3 Phase Undervoltage                         | 27   |      |      |    |     |  |  | 8172      | R2 |
| TTG7134  | Neutral Displacement or Zero Sequence Overvoltage          | 59N  | 64   |      |    |     |  |  | 9749      | R2 |
| TTG7166  | Definite Time 3 Phase Under & Over Voltage                 | 27   | 59   |      |    |     |  |  | 17A2      | R3 |
| TTGB7031 | Voltage Balance  | 60   |      |      |    |     |  |  | 9889      | R3 |
| TTGD7112 | Positive Sequence Definite Time Undervoltage               | 27   | 47   |      |    |     |  |  | 9042      | R2 |
| TTR7146  | Auto Reclose   | 79   |      |      |    |     |  |  | 9826      | R3 |
| TTRI7136 | Auto-Reclosing Device                                      | 79   |      |      |    |     |  |  | 9898      | R3 |
| TTT7111  | Timer (delay on operation)                                 | 2    | 62   |      |    |     |  |  | 8878      | R1 |
| TTT7112  | Timer (delay on drop off)                                  | 2    | 62   |      |    |     |  |  | 8887      | R1 |
| TTT7114  | Timer  | 2    | 62   |      |    |     |  |  | 9738      | R1 |
| TTT7118  | Timer (extended range)                                     | 2    | 62   |      |    |     |  |  | 9738      | R1 |
| TTT7121  | 2 Unit Timer (delay on operation)                          | 2    | 62   |      |    |     |  |  | 8864      | R1 |
| WTGA7131 | 3 Phase Reverse Power                                      | 32   |      |      |    |     |  |  | 9083      | R3 |
| WTGA7132 | 3 Phase Overpower  | 32   |      |      |    |     |  |  | 9085      | R3 |
| WTGA7133 | 3 Phase Underpower   | 32   | 37   |      |    |     |  |  | 9087      | R3 |
| YTM7111  | Field Failure  | 40   |      |      |    |     |  |  | 9888      | R2 |