

Control Transformers



AVAILABLE FROM
NEPEAN POWER

NEPEAN Power is a proven leader in the supply and manufacture of quality engineered solutions, products and technologies. Established in 1994, through the commitment of our dedicated team we have become a supplier of choice.

Control power transformers from NEPEAN Power set the industry standard for design innovation and performance.

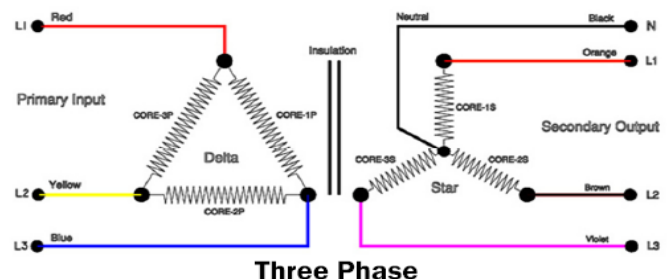
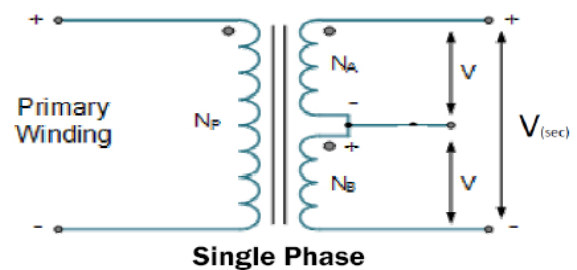
They are designed with low impedance windings for excellent voltage regulation, and can accommodate the high inrush current associated with contactors, starters, solenoids and relays.

Transformers provide stepped down voltages to machine tool control devices enabling control circuits to be isolated from all power and lighting circuits. This allows the use of grounded or ungrounded circuits that are independent of the power of lighting grounds; greater safety is afforded to the operator.

The control transformer line is particularly adaptable on applications where compact construction is demanded.

Features

- Single and Three Phase Transformers
- VA load for 50 to 100 kVA
- Input voltages 24V - 6600V
- Models available with Integral Fuse Blocks
- Earth Screen shields between windings
- Centre Tapp
- Optional Primary Tapp for regulation
- Class F Insulation (optional)



Control Transformers

Ready to Order Models

| Model No. | Primary Voltage | Secondary Voltage (Vsec) | Rating (kVA) | Phase | Configuration | Primary Fuses | Earth Screen | Fuse Size | Recommended Primary Fuse |
|-------------------|-----------------|--------------------------|--------------|-------|---------------|---------------|--------------|-----------|--------------------------|
| T18-10-1CT-1ES | 11000 | 240 | 10 | 1 | Centre Tap | Yes | Earth Screen | 2A | RG5-2A |
| T18-8-1CT-1ES | 11000 | 240 | 8 | 1 | Centre Tap | Yes | Earth Screen | 2A | RG5-2A |
| T19-1.5-3YY-1ES | 11000 | 110 | 1.5 | 3 | YY | Yes | Earth Screen | 0.5A | XRNP-12/0.5-50 |
| T19-1-1CT-1ES | 11000 | 110 | 1 | 1 | Centre Tap | Yes | Earth Screen | 0.5A | XRNP-12/0.5-50 |
| T19-2.2-3YY-1ES | 11000 | 110 | 2.25 | 3 | YY | Yes | Earth Screen | 0.5A | XRNP-12/0.5-50 |
| T19-2-1CT-1ES | 11000 | 110 | 2 | 1 | Centre Tap | Yes | Earth Screen | 0.5A | XRNP-12/0.5-50 |
| T19-5-1CT-1ES | 11000 | 110 | 5 | 1 | Centre Tap | Yes | Earth Screen | 1A | RG5-1A |
| T39-0-1-3YY-1ES | 1100 | 110 | 0.1 | 3 | YY | Yes | Earth Screen | 1A | RG5-1A |
| T47-20-3DY-0ES | 1000 | 415 | 20 | 3 | DYN11 | No | Earth Screen | 32A | RG5-32A |
| T47-25-3DY-1ES | 1000 | 415 | 25 | 3 | DYN11 | Yes | Earth Screen | 32A | RG5-32A |
| T47-60-3DY-1ES | 1000 | 415 | 60 | 3 | DYN11 | Yes | Earth Screen | 50A | RG5-50A |
| T47-75-3DY-0ES | 1000 | 415 | 75 | 3 | DYN11 | No | Earth Screen | 125 | RO31B 1140V-125A |
| T47-75-3DY-1ES | 1000 | 415 | 75 | 3 | DYN11 | Yes | Earth Screen | 75A | RG5-1-75A |
| T48-10-1CT-1ES | 1000 | 240 | 10 | 1 | Centre Tap | Yes | Earth Screen | 20A | RG5-20A |
| T48-10-3DY-1ES | 1000 | 240 | 10 | 3 | DYN11 | Yes | Earth Screen | 12A | RG5-12A gG |
| T48-2.5-1CT-1ES | 1000 | 240 | 2.5 | 1 | Centre Tap | Yes | Earth Screen | 6A | RG5-6A |
| T48-2.5-1CT-1ES | 1000 | 240 | 2.5 | 1 | Centre Tap | Yes | Earth Screen | 6A | RG5-6A |
| T48-2-1CT-1ES | 1000 | 240 | 2 | 1 | Centre Tap | Yes | Earth Screen | 4A | RG5-4A |
| T48-5-1CT-1ES | 1000 | 240 | 5 | 1 | Centre Tap | Yes | Earth Screen | 10A | RG5-10A |
| T489-4-1CT-0ES | 1050 | 1050/240/110 | 4/2.5/1.5 | 1 | Centre Tap | No | Earth Screen | 10 | 0 |
| T49-0.2-1CT-1ES | 1000 | 110 | 0.2 | 1 | Centre Tap | Yes | Earth Screen | 1A | RG5-1A |
| T49-0.35-1CT-1ES | 1000 | 110 | 0.35 | 1 | Centre Tap | Yes | Earth Screen | 1A | RG5-1A |
| T49-0.6-1CT-1ES | 1000 | 110 | 0.6 | 1 | Centre Tap | Yes | Earth Screen | 1A | RG5-1A |
| T49-0.75-1CT-0ES | 1000 | 110 | 0.75 | 1 | Centre Tap | No | Earth Screen | 2A | RG5-2A |
| T49-0.75-1CT-1ES | 1000 | 110 | 0.75 | 1 | Centre Tap | Yes | Earth Screen | 2A | RG5-2A |
| T49-1.5-1CT-1ES | 1000 | 110 | 1.5 | 1 | Centre Tap | Yes | Earth Screen | 4A | RG5-4A |
| T49-10-1CT-1ES | 1000 | 110 | 10 | 1 | Centre Tap | Yes | Earth Screen | 20A | RG5-20A |
| T49-10-3DY-1ES | 1000 | 110 | 10 | 3 | DYN11 | Yes | Earth Screen | 16A | RG5-16A |
| T49-1-1CT-1ES | 1000 | 110 | 1 | 1 | Centre Tap | Yes | Earth Screen | 2A | RG5-2A |
| T49-2-1CT-1ES | 1000 | 110 | 2 | 1 | Centre Tap | Yes | Earth Screen | 4A | RG5-4A |
| T49-5-1CT-1ES | 1000 | 110 | 5 | 1 | Centre Tap | Yes | Earth Screen | 10A | RG5-10A |
| T57-20-3DY-0ES | 690 | 415 | 20 | 3 | DYN11 | No | Earth Screen | 50A | RG5-50A |
| T57-30-3DY-1ES | 690 | 415 | 30 | 3 | DYN11 | Yes | Earth Screen | 50A | RG5-50A |
| T57-50-3DY-0ES | 690 | 415 | 50 | 3 | DYN11 | No | Earth Screen | 125A | RO32-690V-125A |
| T57-75-3DY-0ES | 690 | 415 | 75 | 3 | DYN11 | No | Earth Screen | 176A | RO32-690V-176A |
| T58-10-1CT-0ES | 690 | 240 | 10 | 1 | Centre Tap | No | Earth Screen | 40A | RG5-40A |
| T58-10-1CT-1ES | 690 | 240 | 10 | 1 | Centre Tap | Yes | Earth Screen | 32A | RG5-32A |
| T58-20-1CT-0ES | 690 | 240 | 20 | 1 | Centre Tap | No | Earth Screen | 80A | RNH-80 |
| T59-0.15-3YY-1ES | 690 | 110 | 0.15 | 3 | DYN11 | Yes | Earth Screen | 1A | RG5-1A |
| T59-10-1CT-1ES | 690 | 110 | 10 | 1 | Centre Tap | Yes | Earth Screen | 32A | RG5-32A |
| T59-1-1CT-0ES | 690 | 110 | 1 | 1 | Centre Tap | No | Earth Screen | 4A | RG5-4A |
| T59-2-1CT-0ES | 690 | 110 | 2 | 1 | Centre Tap | No | Earth Screen | 10A | RG5-10A |
| T74-5-3DY-0ES | 415 | 690 | 5 | 3 | DYN11 | No | Earth Screen | 20A | RG0 415V 20A |
| T75-20-3DY-1ES | 415 | 240 | 20 | 3 | DYN11 | Yes | Earth Screen | 50A | RG5-50A |
| T77-0.5-3DY-1ES | 415 | 415 | 0.5 | 3 | DYN11 | Yes | Earth Screen | 2A | RG0 415V 2A |
| T78-0.2-3DY-0ES | 415 | 240 | 0.2 | 3 | DYN11 | No | Earth Screen | 1A | RG0 415V 1A |
| T78-10-1CT-0ES | 415 | 240 | 10 | 1 | Centre Tap | No | Earth Screen | 72A | RG5-1-75A |
| T78-10-1CT-1ES | 415 | 240 | 10 | 1 | Centre Tap | Yes | Earth Screen | 50A | RG0D 415V 50A |
| T78-12-1CT-1ES | 415 | 240 | 12 | 1 | Centre Tap | Yes | Earth Screen | 50A | RG0D 415V 50A |
| T78-15-1CT-1ES | 415 | 240 | 15 | 1 | Centre Tap | Yes | Earth Screen | 75A | RG0D 415V 75A |
| T78-2.5-1CT-1ES | 415 | 240 | 2.5 | 1 | Centre Tap | Yes | Earth Screen | 10A | RG0 415V 10A |
| T78-20-3DY-0ES | 415 | 240 | 20 | 3 | DYN11 | No | Earth Screen | 80A | RNH-80 |
| T78-20-3DY-0ES | 415 | 240 | 20 | 3 | DYN11 | No | Earth Screen | 80A | RNH-80 |
| T78-30-1CT-0ES | 415 | 240 | 30 | 1 | Centre Tap | No | Earth Screen | 200A | RO32-500V-200A |
| T78-30-1CT-1ES | 415 | 240 | 30 | 1 | Centre Tap | Yes | Earth Screen | 100A | RG2-500V 100A |
| T78-50-1CT-0ES | 415 | 240 | 50 | 1 | Centre Tap | No | Earth Screen | 320A | RO33B-500V-400A |
| T78-50-3DY-0ES | 415 | 240 | 50 | 3 | DYN11 | No | Earth Screen | 200A | RO32-500V-200A |
| T78-5-1CT-1ES | 415 | 240 | 5 | 1 | Centre Tap | Yes | Earth Screen | 25A | RG0 415V 25A |
| T79-0.2-1CT-0ES | 415 | 110 | 0.2 | 1 | Centre Tap | No | Earth Screen | 1A | RG0 415V 1A |
| T79-0.5-1CT-1ES | 415 | 110 | 0.5 | 1 | Centre Tap | Yes | Earth Screen | 4A | RG0 415V 4A |
| T79-1.5-1CT-1ES | 415 | 110 | 1.5 | 1 | Centre Tap | Yes | Earth Screen | 10A | RG0 415V 10A |
| T79-1.9-3DY-0ES | 415 | 110 | 1.9 | 3 | DYN11 | No | Earth Screen | 10A | RG0 415V 10A |
| T79-1-1CT-1ES | 415 | 110 | 1 | 1 | Centre Tap | Yes | Earth Screen | 6A | RG0 415V 6A |
| T79-12-1CT-1ES | 415 | 110 | 12 | 1 | Centre Tap | Yes | Earth Screen | 50A | RG0D 415V 50A |
| T79-2.5-1CT-0ES | 415 | 110 | 2.5 | 1 | Centre Tap | No | Earth Screen | 20A | RG0 415V 20A |
| T79-2-1CT-0ES | 415 | 110 | 2 | 1 | Centre Tap | No | Earth Screen | 16A | RG0 415V 16A |
| T79-25-1CT-1ES | 415 | 110 | 25 | 1 | Centre Tap | Yes | Earth Screen | 100A | RG2-500V/100A |
| T79-7.5-1CT-1ES | 415 | 120 | 7.5 | 1 | Centre Tap | Yes | Earth Screen | 35A | RG0D 415V 35A |
| T7S-0.5-1YY-1ES | 415 | Special | 0.5 | 3 | YY | Yes | Earth Screen | 2A | RG0 415V 2A |
| T7S-10-3DY-0ES | 415 | Special | 10 | 3 | DYN11 | No | Earth Screen | 40A | RG0 415V 40A |
| T7S-26.5-3S-0ES | 415 | 240/110 | 25/1.5 | 3 | Special | Yes | Earth Screen | 0 | 0 |
| T810-0-1-1S-0ES | 240 | 24 | 0.1 | 1 | Centre Tap | No | Earth Screen | 1A | RG0 415V 1A |
| T88-10-1CT-0ES | 240 | 240 | 10 | 1 | Centre Tap | No | Earth Screen | 125A | RO32-500V-125A |
| T89-0.3-1CT-0ES | 240 | 110 | 0.3 | 1 | Centre Tap | No | Earth Screen | 4A | RG0 415V 4A |
| T89-2.5-1CT-0ES | 240 | 110 | 2.5 | 1 | Centre Tap | No | Earth Screen | 32A | RG0 415V 32A |
| T89-3-1CT-0ES | 240 | 110 | 3 | 1 | Centre Tap | No | Earth Screen | 40A | RG0 415V 40A |
| T910-0.25-1CT-0ES | 110 | 24 | 0.25 | 1 | Centre Tap | No | Earth Screen | 6A | RG0 415V 6A |
| T99-1-1CV-0ES | 110 | 110 | 1 | 1 | Centre Tap | No | Earth Screen | 24A | RG0 415V 24A |
| T9S-0-4-3ZN-0ES | 110 | Special | 0.4 | 3 | ZigZag | No | Earth Screen | 6A | RG0 415V 6A |
| TS6-100-3DY-0ES | 1050 | 690 | 100 | 3 | DYN11 | No | Earth Screen | 165A | RG57 1000V 165A |
| TS7-200-3DY-1ES | 3450 | 415 | 200 | 3 | DYN11 | Yes | Earth Screen | 50A | XRNT-12/50A |
| TS9-1.5-3YY-1ES | 66 | 110 | 1.5 | 3 | YY | Yes | Earth Screen | 32A | Plug in fuse 250V 20A |



NEPEAN
Power

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Control Transformers

Part Number Generator (for Custom Orders)

T X X - X X - X X X - X X X

| Primary Voltage | |
|-----------------|---------|
| 1 | 110000 |
| 2 | 6600 |
| 3 | 1100 |
| 4 | 1000 |
| 5 | 690 |
| 6 | 440 |
| 7 | 415 |
| 8 | 240 |
| 9 | 110 |
| 10 | 24 |
| S | Special |

| Secondary Voltage | |
|-------------------|---------|
| 1 | 110000 |
| 2 | 6600 |
| 3 | 1100 |
| 4 | 1000 |
| 5 | 690 |
| 6 | 440 |
| 7 | 415 |
| 8 | 240 |
| 9 | 110 |
| 10 | 24 |
| S | Special |

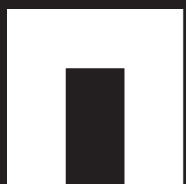
| Other | |
|-------|--------------|
| ES | Earth Screen |

| Fuses | |
|-------|------------------|
| 0 | No Primary Fuses |
| 1 | Primary Fuses |

| Configuration | |
|---------------|-------|
| DY | DYN11 |
| YY | YY |

| Phase Qty | |
|-----------|--------------|
| 1 | Single Phase |
| 3 | Three Phase |

| KVA | |
|-----|-----|
| A | 0.1 |
| B | 0.2 |
| C | 0.3 |
| D | 0.4 |
| E | 0.5 |
| F | 0.6 |
| G | 0.7 |
| H | 0.8 |
| K | 0.9 |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |



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