

# Control Transformers



AVAILABLE FROM  
NEPEAN POWER

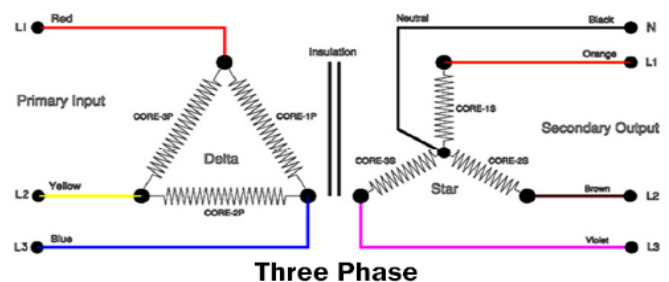
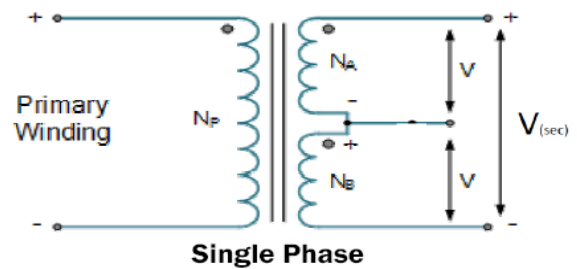
NEPEAN Power is a proven leader in the supply and manufacture of quality engineered solutions, products and technologies. Established in 1994, through the commitment of our dedicated team we have become a supplier of choice.

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 contractors, 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 or lighting grounds; greater safety is afforded to the operator. The control transformer line is particularly adaptable on applications where compact construction is demanded.

## Features

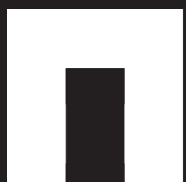
- Single and Three Phase Transformers
- VA load for 50 to 100 kVA
- Input voltages 24V - 6600V
- Models available with Integral Fuse Blocks
- Earth Screen shields between windings
- Centre Tapp
- Optional Primary Tapp for regulation
- Class F Insulation (optional)



# 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**  
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## 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

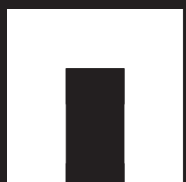
Other	
ES	Earth Screen

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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