



MARCUS

Marcus Transformer LTD
 Phone: 1-800-267-7376
 Fax: 1-866-205-7526
 Email: Info@marcustransformer.com

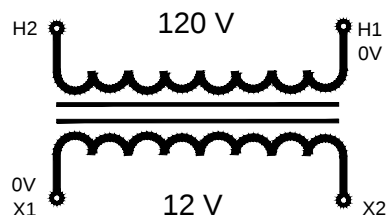
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

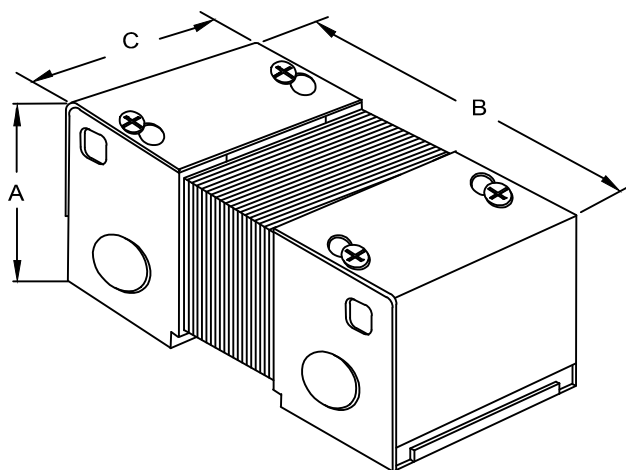
MODEL	MC250A
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	120
Secondary (Volts)	12
Input / Output Amps	2.08 / 20.83
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

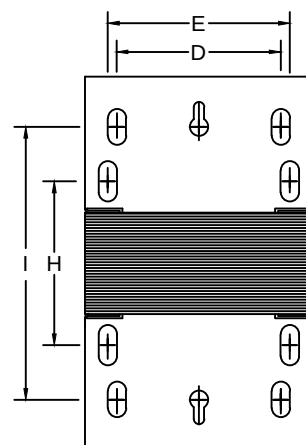
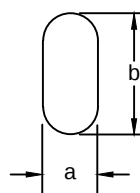


WIRING CONNECTION

PRIMARY :	
VOLTS 120	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 12	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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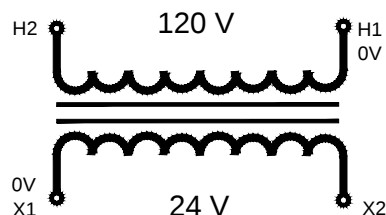
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

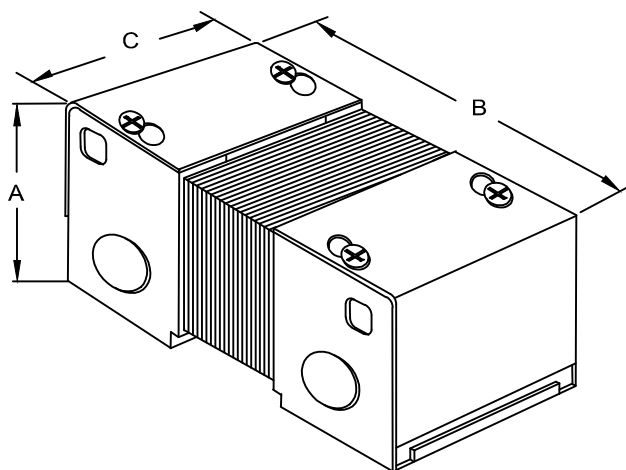
MODEL	MC250B
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	120
Secondary (Volts)	24
Input / Output Amps	2.08 / 10.42
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

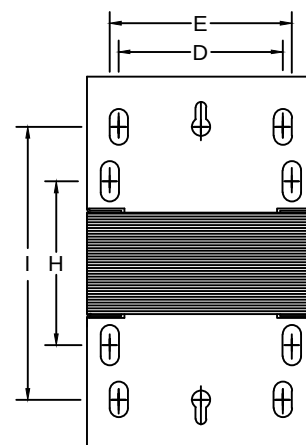
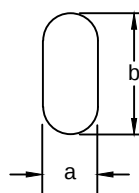


WIRING CONNECTION

PRIMARY :	
VOLTS 120	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 24	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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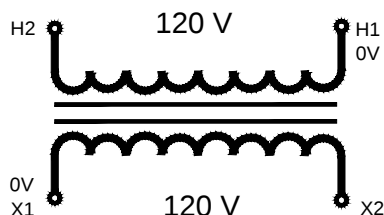
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

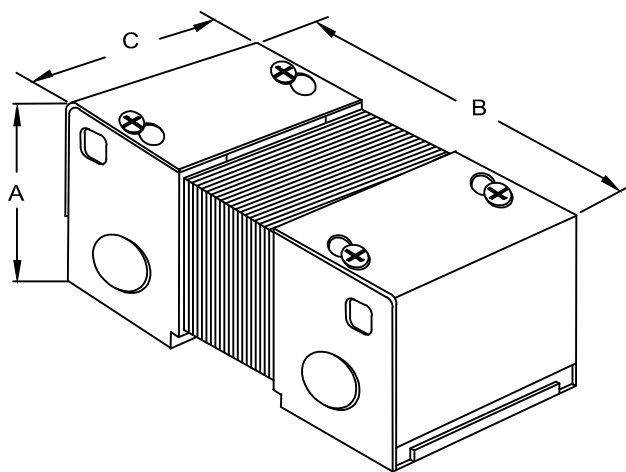
MODEL	MC250C
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	120
Secondary (Volts)	120
Input /Output Amps	2.08 / 2.08
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

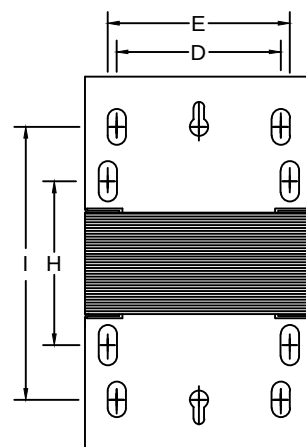
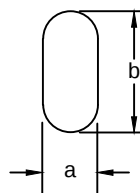


WIRING CONNECTION

PRIMARY :	
VOLTS 120	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 120	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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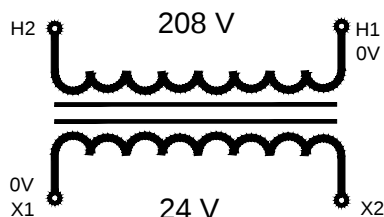
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

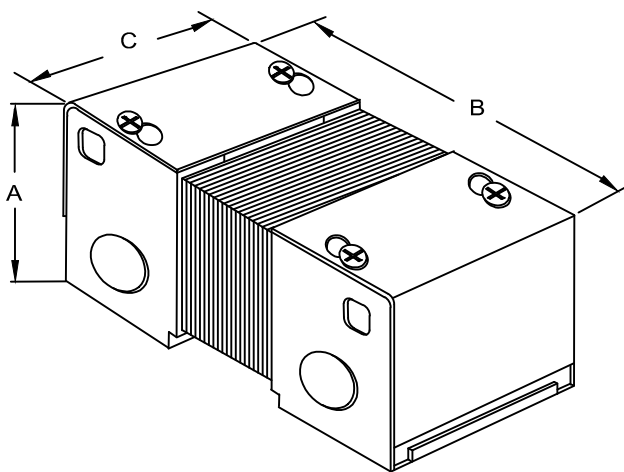
MODEL	MC250D
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	208
Secondary (Volts)	24
Input / Output Amps	1.20 / 10.42
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

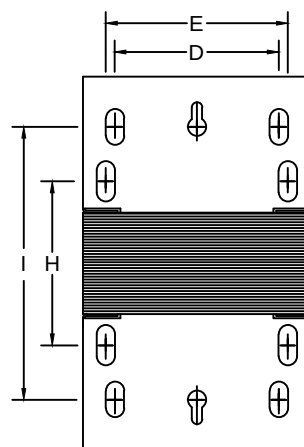
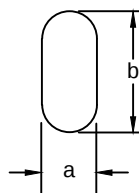


WIRING CONNECTION

PRIMARY :	
VOLTS 208	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 24	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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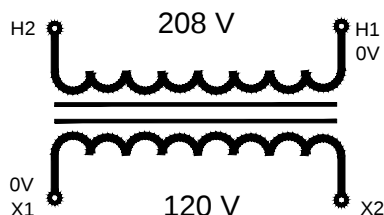
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

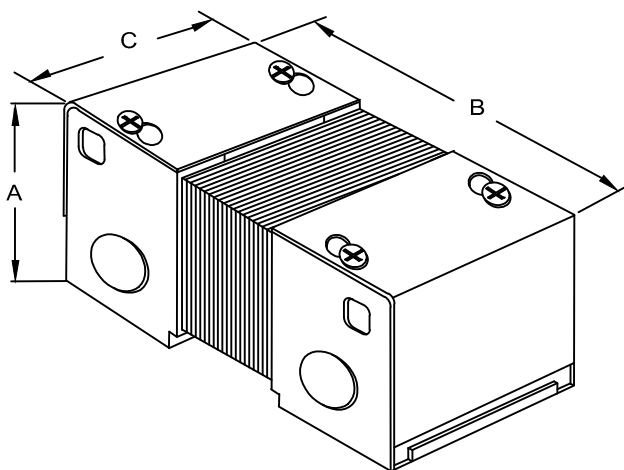
MODEL	MC250E
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	208
Secondary (Volts)	120
Input / Output Amps	1.20 / 2.08
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

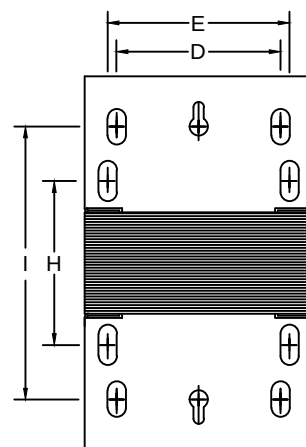
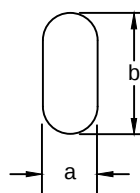


WIRING CONNECTION

PRIMARY :	
VOLTS 208	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 120	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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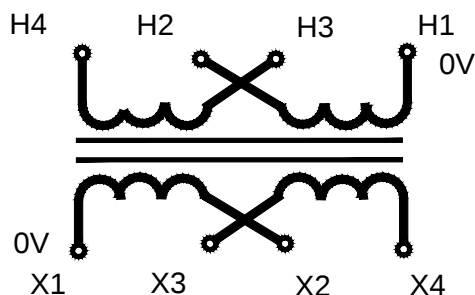
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MC250F
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	120 / 240
Secondary (Volts)	12 / 24
Input / Output Amps	2.08 , 1.04 / 20.83 , 10.42
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM



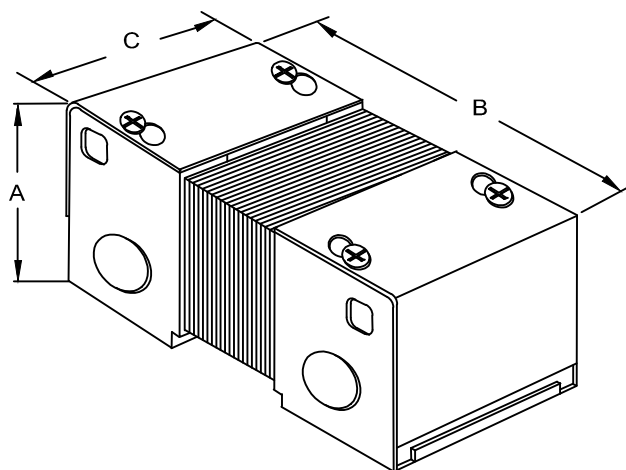
WIRING CONNECTION

PRIMARY :

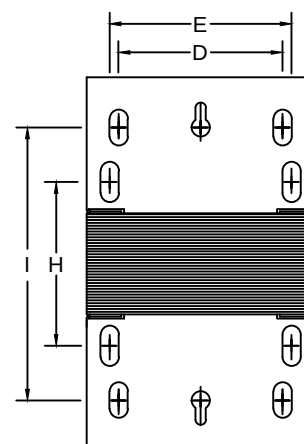
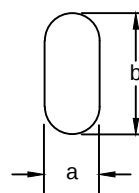
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	H1-H3 AND H2-H4	H1-H4
240	H2-H3	H1-H4

SECONDARY :

VOLTS	INTERCONNECT:	CONNECT LINES TO :
12	X1-X3 AND X2-X4	X1-X4
24	X2-X3	X1-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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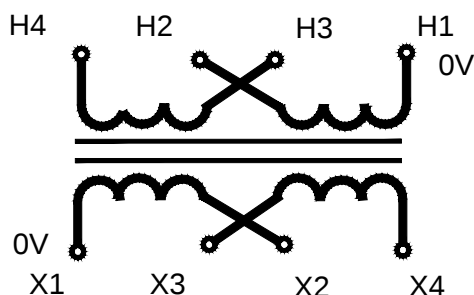
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MC250G
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	120 / 240
Secondary (Volts)	16 / 32
Input /Output Amps	2.08 , 1.04 / 15.63 , 7.81
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM



WIRING CONNECTION

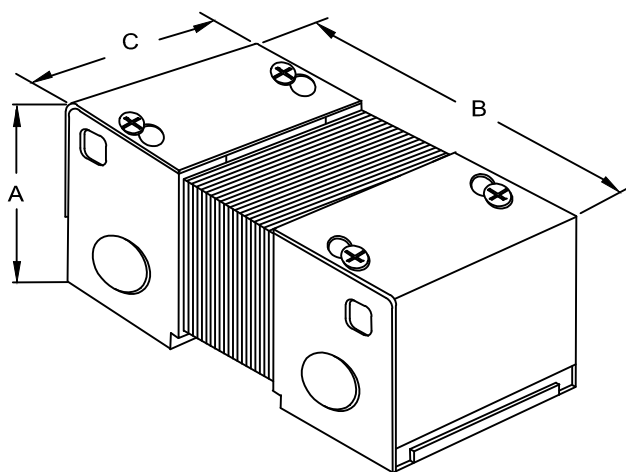
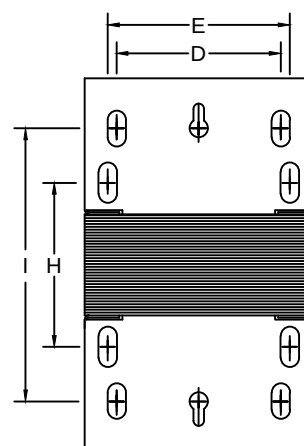
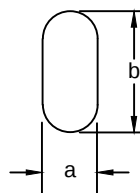
PRIMARY :

VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	H1-H3 AND H2-H4	H1-H4
240	H2-H3	H1-H4

SECONDARY :

VOLTS	INTERCONNECT:	CONNECT LINES TO :
16	X1-X3 AND X2-X4	X1-X4
32	X2-X3	X1-X4

LETTER	MOUNTING SLOTS INCHES / MM
	a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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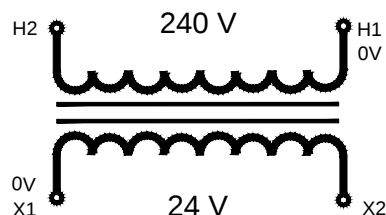
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

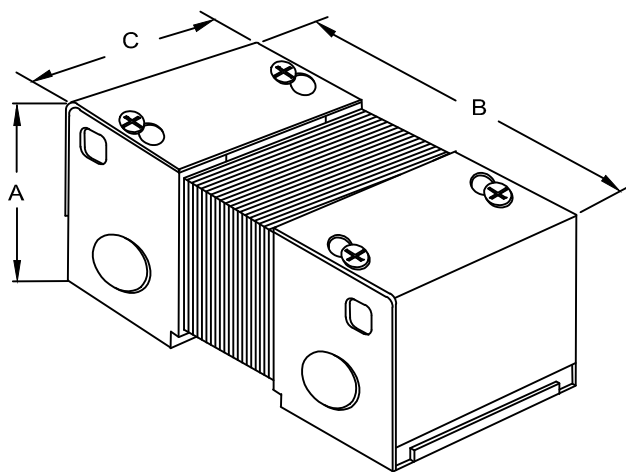
MODEL	MC250H
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	240
Secondary (Volts)	24
Input / Output Amps	1.04 / 10.42
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

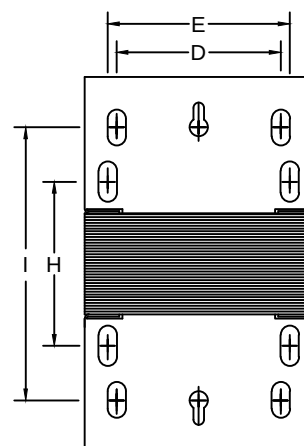
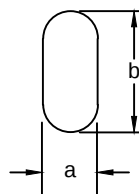


WIRING CONNECTION

PRIMARY :	
VOLTS 240	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 24	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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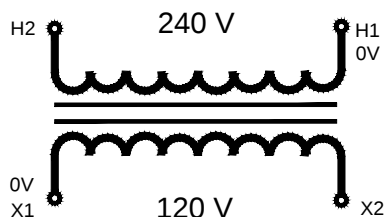
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

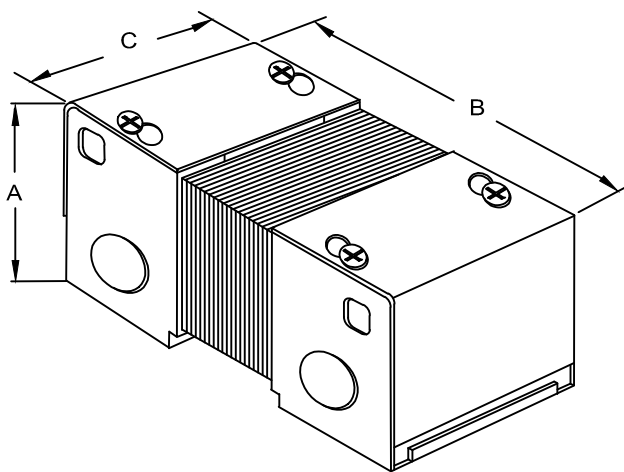
MODEL	MC250I
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	240
Secondary (Volts)	120
Input / Output Amps	1.04 / 2.08
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

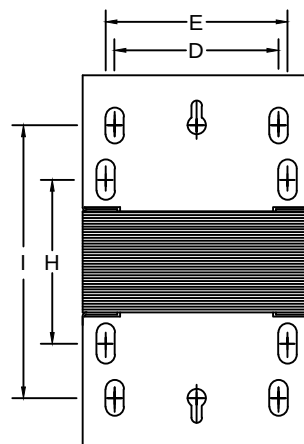
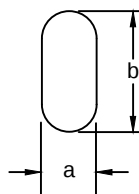


WIRING CONNECTION

PRIMARY :	
VOLTS 240	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 120	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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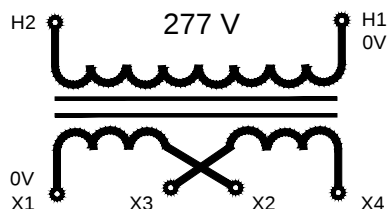
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

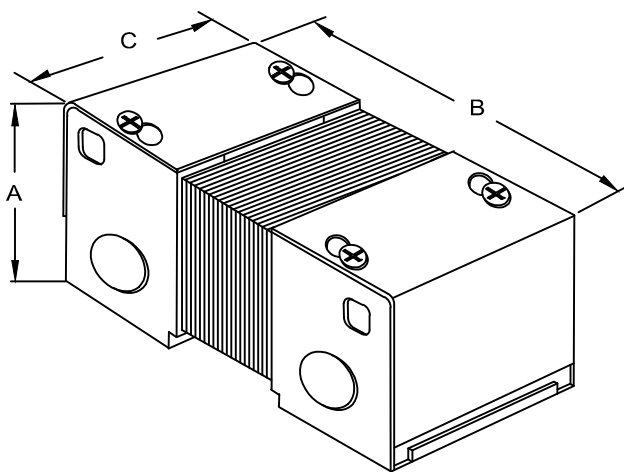
MODEL	MC250J
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	277
Secondary (Volts)	120 / 240
Input / Output Amps	0.90 / 2.08 , 1.04
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

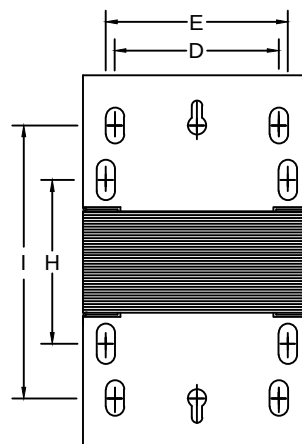
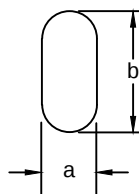


WIRING CONNECTION

PRIMARY :		
VOLTS 277	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 120 240 120/240	INTERCONNECT: X1-X3 AND X2-X4 X2-X3 X2-X3	CONNECT LINES TO : X1-X4 X1-X4 X1-X3-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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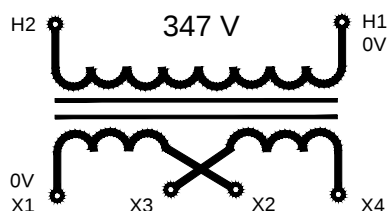
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

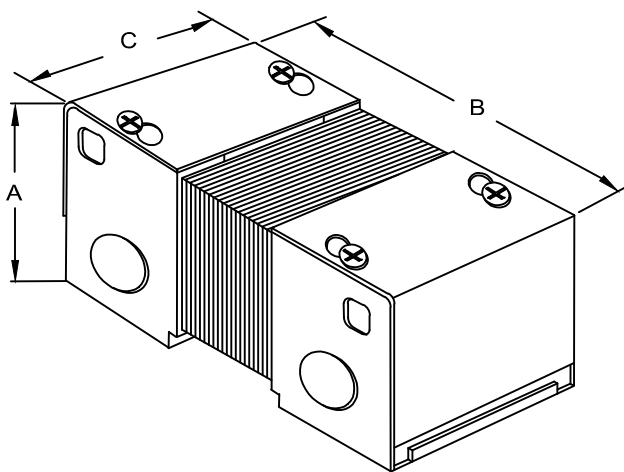
MODEL	MC250K
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	347
Secondary (Volts)	120 / 240
Input / Output Amps	0.72 / 2.08 , 1.04
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

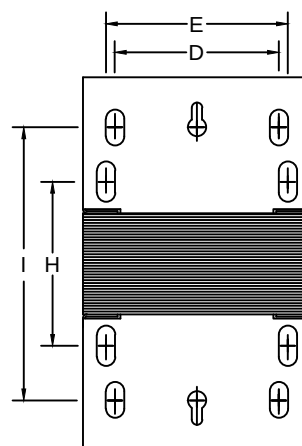
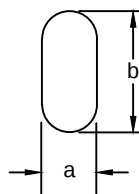


WIRING CONNECTION

PRIMARY :		
VOLTS 347	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 120 240 120/240	INTERCONNECT: X1-X3 AND X2-X4 X2-X3 X2-X3	CONNECT LINES TO : X1-X4 X1-X4 X1-X3-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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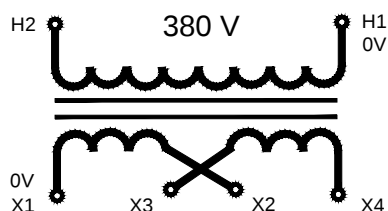
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

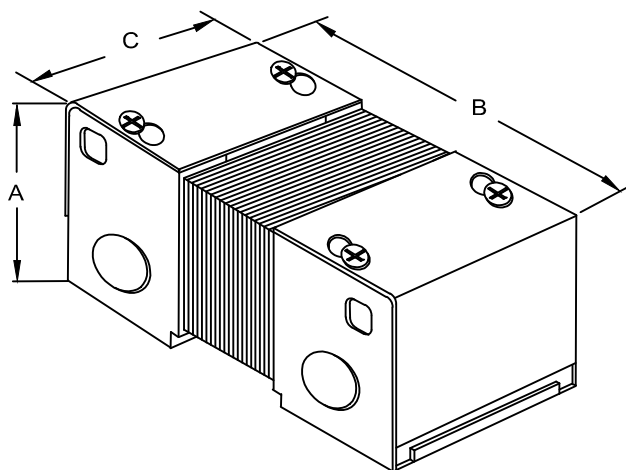
MODEL	MC250L
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	380
Secondary (Volts)	120 / 240
Input / Output Amps	0.66 / 2.08 , 1.04
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

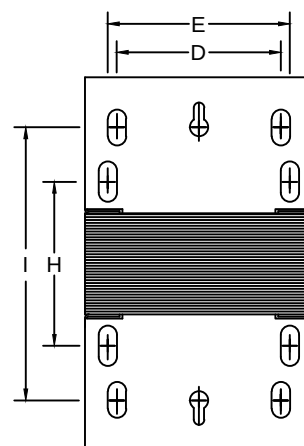
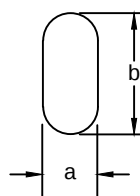


WIRING CONNECTION

PRIMARY :		
VOLTS 380	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 120 240 120/240	INTERCONNECT: X1-X3 AND X2-X4 X2-X3 X2-X3	CONNECT LINES TO : X1-X4 X1-X4 X1-X3-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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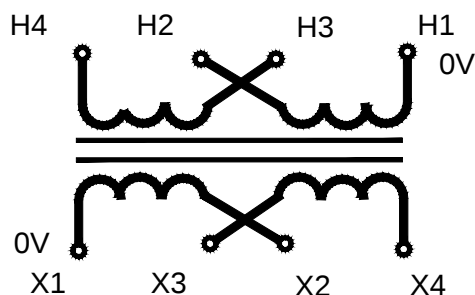
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

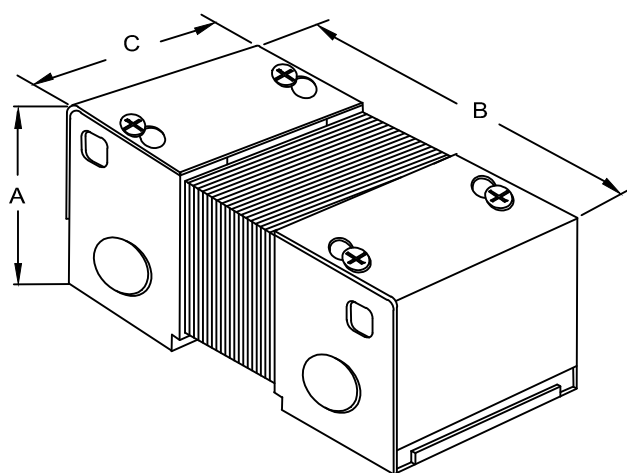
MODEL	MC250M
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	208 / 416
Secondary (Volts)	12 / 24
Input / Output Amps	1.20 , 0.60 / 20.83 , 10.42
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

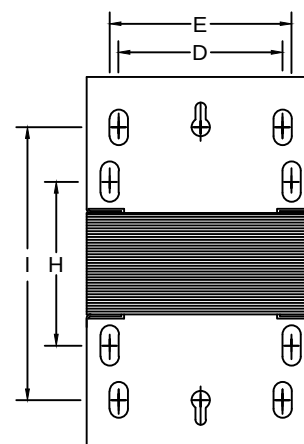
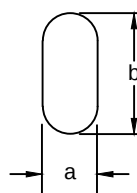


WIRING CONNECTION

PRIMARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
208	H1-H3 AND H2-H4	H1-H4
416	H2-H3	H1-H4
SECONDARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
12	X1-X3 AND X2-X4	X1-X4
24	X2-X3	X1-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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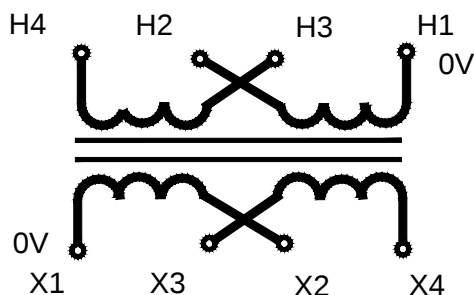
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MC250N
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	208 / 416
Secondary (Volts)	120 / 240
Input / Output Amps	1.20 , 0.60 / 2.08 , 1.04
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM



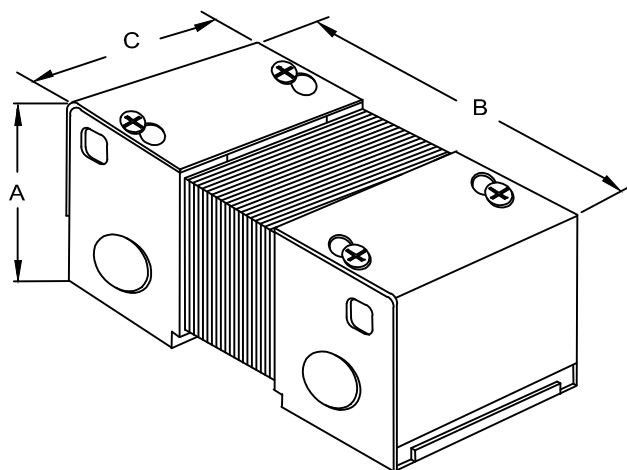
WIRING CONNECTION

PRIMARY :

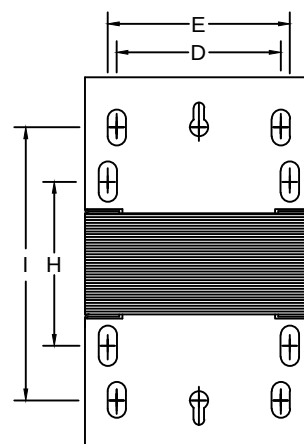
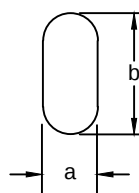
VOLTS	INTERCONNECT:	CONNECT LINES TO :
208	H1-H3 AND H2-H4	H1-H4
416	H2-H3	H1-H4

SECONDARY :

VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	X1-X3 AND X2-X4	X1-X4
240	X2-X3	X1-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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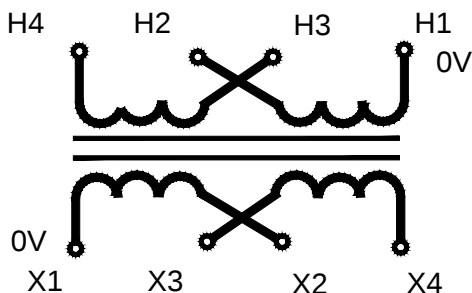
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

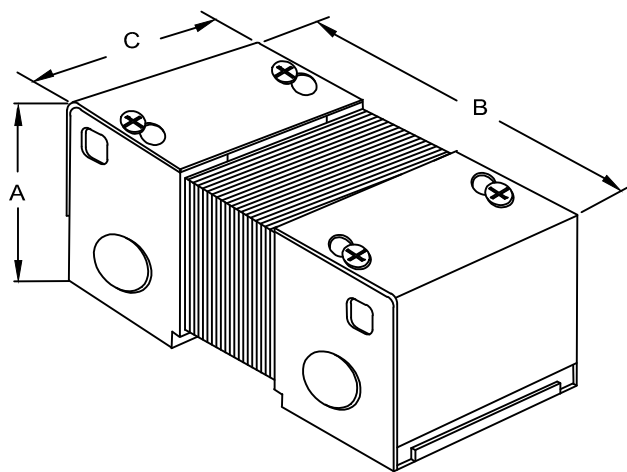
MODEL	MC2500
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	240 / 480
Secondary (Volts)	120 / 240
Input / Output Amps	1.04 , 0.52 / 2.10 , 1.04
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

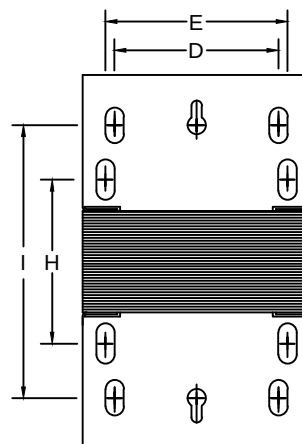
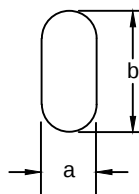


WIRING CONNECTION

PRIMARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
240	H1-H3 AND H2-H4	H1-H4
480	H2-H3	H1-H4
SECONDARY :		
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	X1-X3 AND X2-X4	X1-X4
240	X2-X3	X1-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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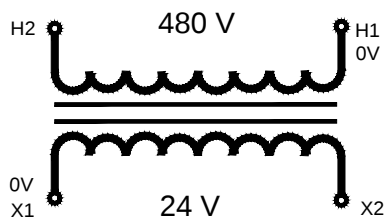
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

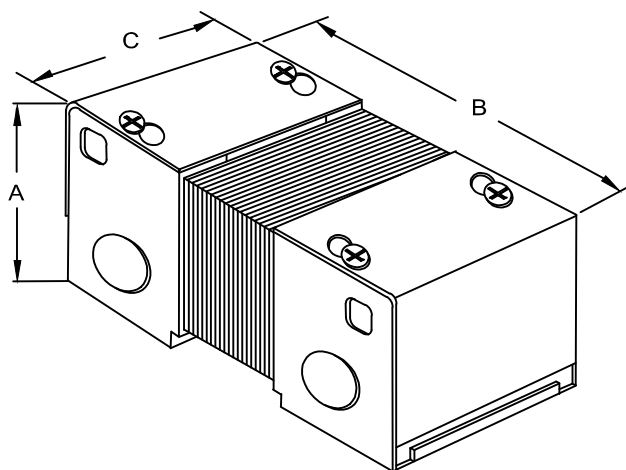
MODEL	MC250P
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	480
Secondary (Volts)	24
Input /Output Amps	0.52 / 10.42
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

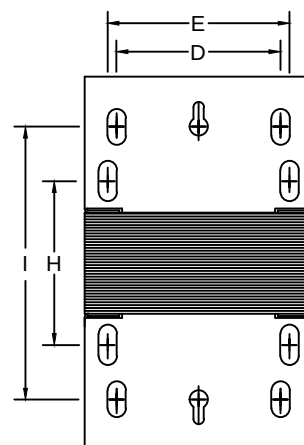
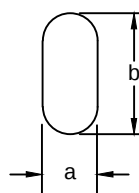


WIRING CONNECTION

PRIMARY :	
VOLTS 480	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 24	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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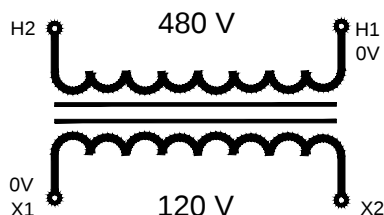
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

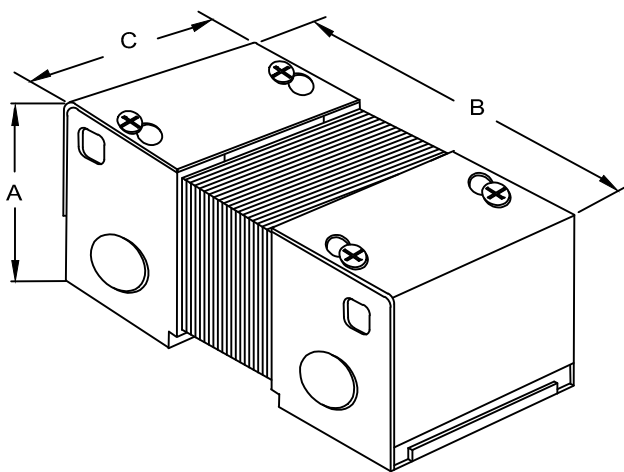
MODEL	MC250Q
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	480
Secondary (Volts)	120
Input / Output Amps	0.52 / 2.08
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

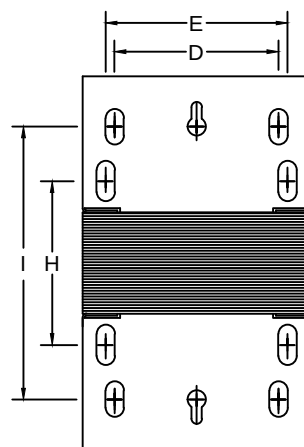
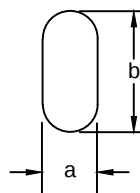


WIRING CONNECTION

PRIMARY :	
VOLTS 480	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 120	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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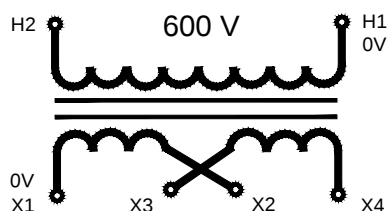
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

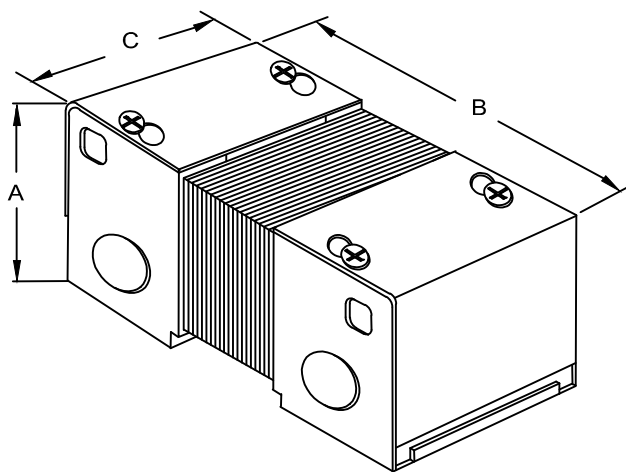
MODEL	MC250R
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	600
Secondary (Volts)	12 / 24
Input / Output Amps	0.42 / 20.83 , 10.42
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

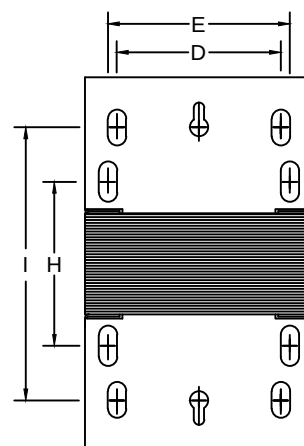
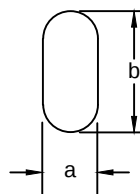


WIRING CONNECTION

PRIMARY :		
VOLTS 600	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 12 24 12/24	INTERCONNECT: X1-X3 AND X2-X4 X2-X3 X2-X3	CONNECT LINES TO : X1-X4 X1-X4 X1-X3-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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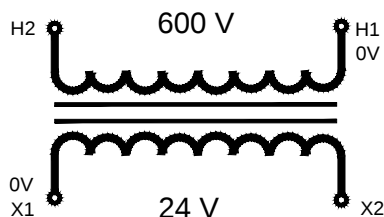
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

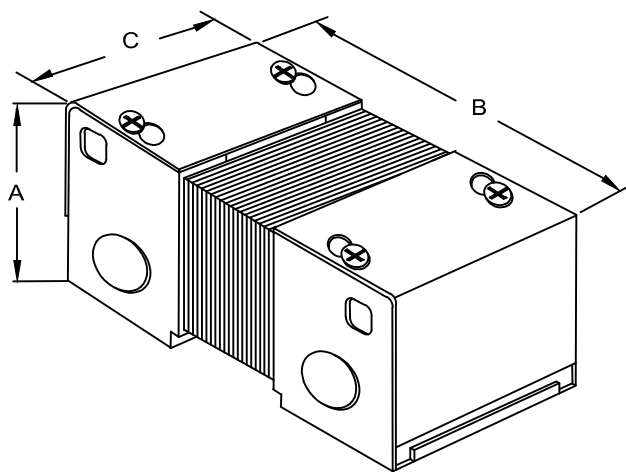
MODEL	MC250S
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	600
Secondary (Volts)	24
Input /Output Amps	0.42 / 10.42
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

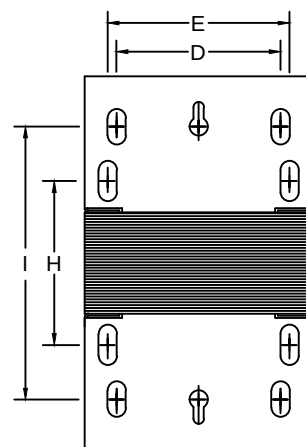
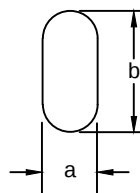


WIRING CONNECTION

PRIMARY :	
VOLTS 600	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 24	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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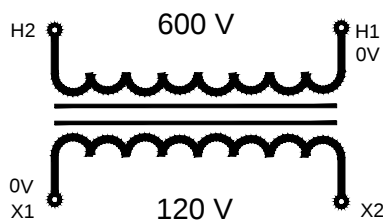
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

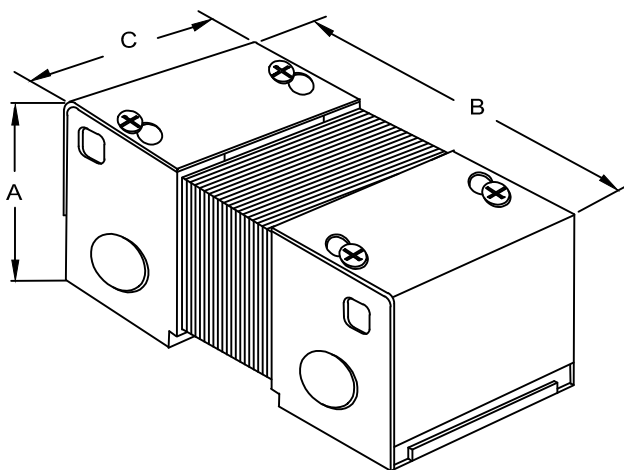
MODEL	MC250T
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	600
Secondary (Volts)	120
Input /Output Amps	0.42 / 2.08
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

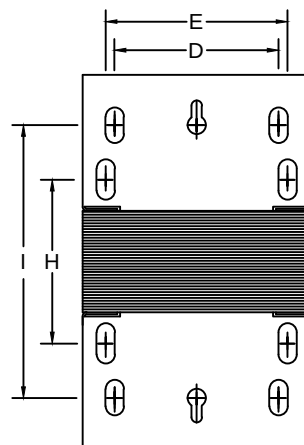
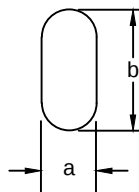


WIRING CONNECTION

PRIMARY :	
VOLTS 600	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 120	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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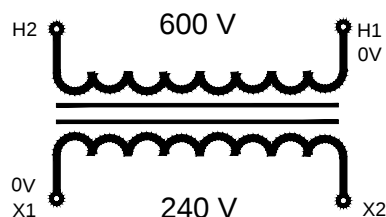
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

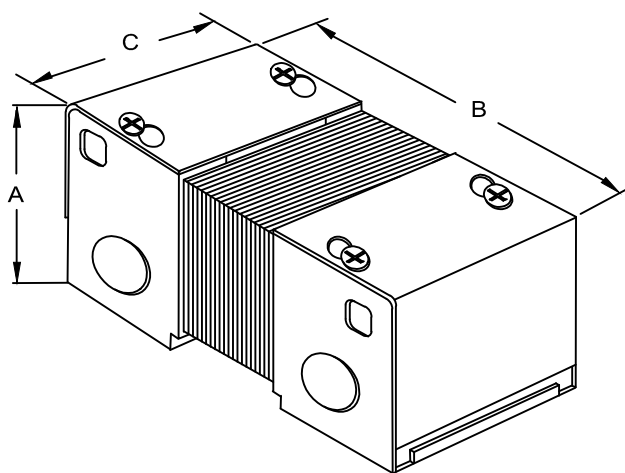
MODEL	MC250U
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	600
Secondary (Volts)	240
Input /Output Amps	0.42 / 1.04
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

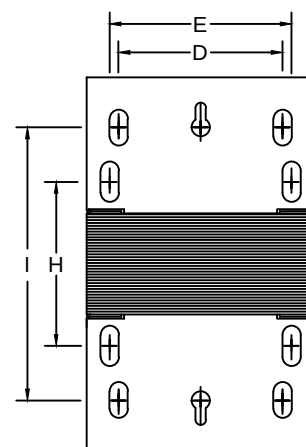
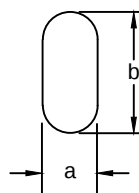


WIRING CONNECTION

PRIMARY :	
VOLTS 600	CONNECT LINES TO : H1-H2
SECONDARY :	
VOLTS 240	CONNECT LINES TO : X1-X2



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



MARCUS

Marcus Transformer LTD
 Phone: 1-800-267-7376
 Fax: 1-866-205-7526
 Email: Info@marcustransformer.com

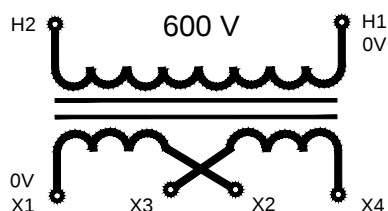
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

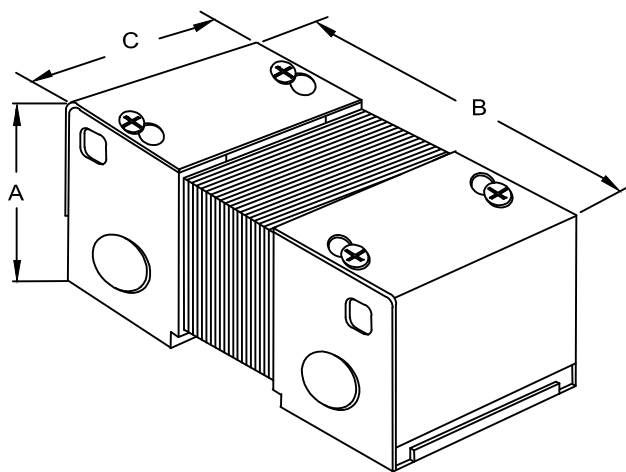
MODEL	MC250V
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	600
Secondary (Volts)	120 / 240
Input / Output Amps	0.42 / 2.08 , 1.04
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

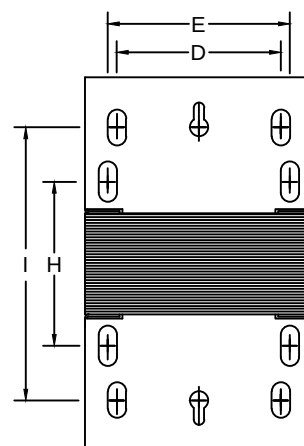
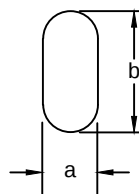


WIRING CONNECTION

PRIMARY :		
VOLTS 600	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 120 240 120/240	INTERCONNECT: X1-X3 AND X2-X4 X2-X3 X2-X3	CONNECT LINES TO : X1-X4 X1-X4 X1-X3-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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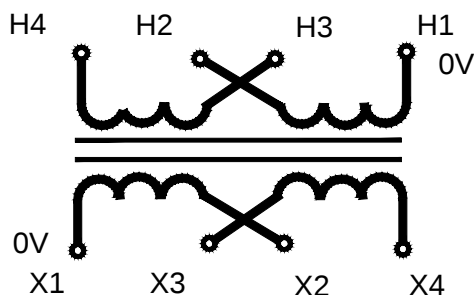
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MC250W
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	120 / 240
Secondary (Volts)	120 / 240
Input / Output Amps	2.08, 1.04 / 2.08, 1.04
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM



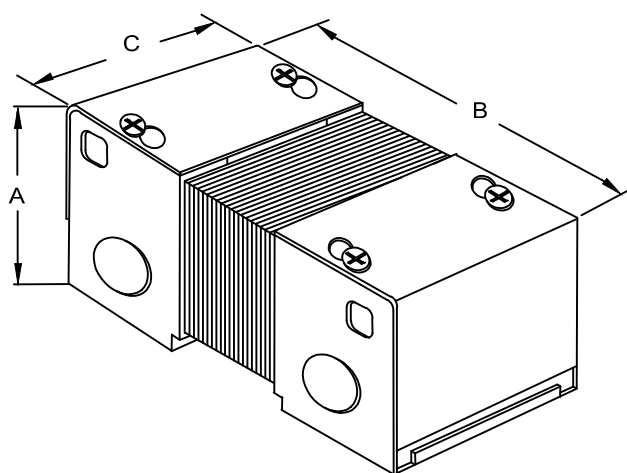
WIRING CONNECTION

PRIMARY :

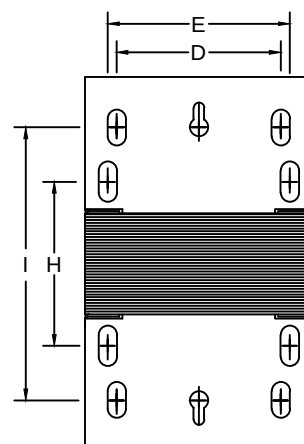
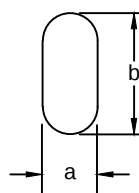
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	H1-H3 AND H2-H4	H1-H4
240	H2-H3	H1-H4

SECONDARY :

VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	X1-X3 AND X2-X4	X1-X4
240	X2-X3	X1-X4



LETTER	MOUNTING SLOTS INCHES / MM a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9



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TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

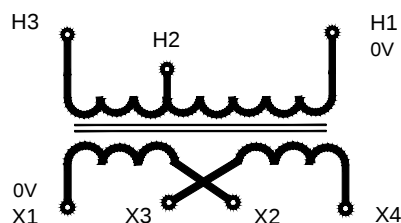
DESCRIPTION

MODEL	MC250X
Type	Enclosed, Indoor application
VA	250
Primary (Volts)	347 / 380
Secondary (Volts)	12 / 24
Input / Output Amps	0.72 , 0.66 / 20.83 , 10.42
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

Primary Tabs

Pos.	H1	H2	H3				
Volts	0V	347	380				

CONNECTION DIAGRAM



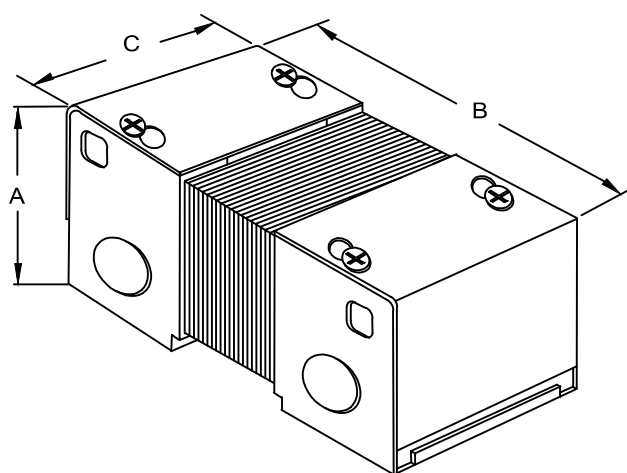
WIRING CONNECTION

PRIMARY :

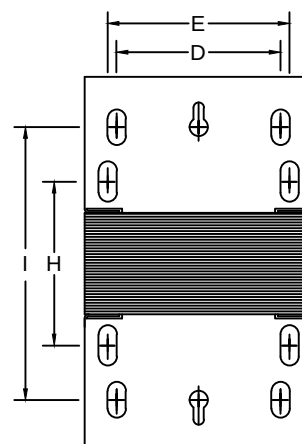
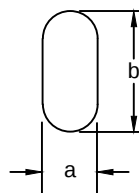
VOLTS	CONNECT LINES TO :
347	H1-H2
380	H1-H3

SECONDARY :

VOLTS	INTERCONNECT:	CONNECT LINES TO :
12	X1-X3 AND X2-X4	X1-X4
24	X2-X3	X1-X4



LETTER	MOUNTING SLOTS INCHES / MM
	a b
U	0.25 x 0.875 6.4 x 22.2
T	0.25 x 0.625 6.4 x 15.9



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
250	4.07 103.4	6.13 155.7	4.50 114.3	2.75 69.9	3.75 95.3			2.75(T) 69.9	4.38(U) 111.3					8.50 3.9