



MARCUS

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

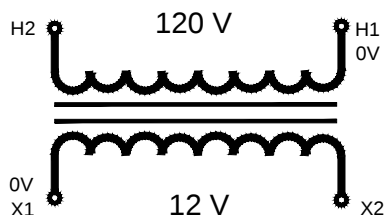
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

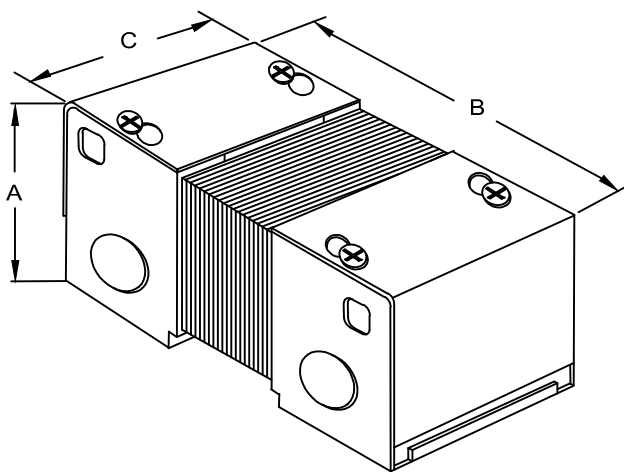
MODEL	MC100A
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	120
Secondary (Volts)	12
Input /Output Amps	0.83 / 8.33
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

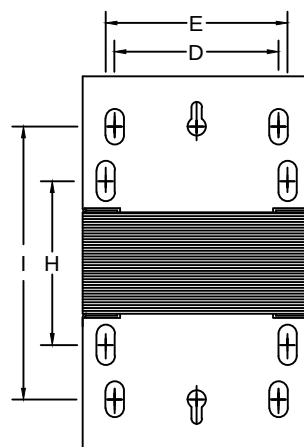
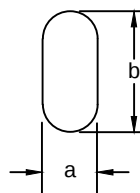


WIRING CONNECTION

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



LETTER	MOUNTING SLOTS INCHES / MM a b
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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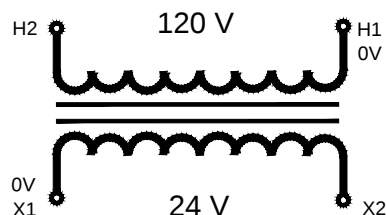
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

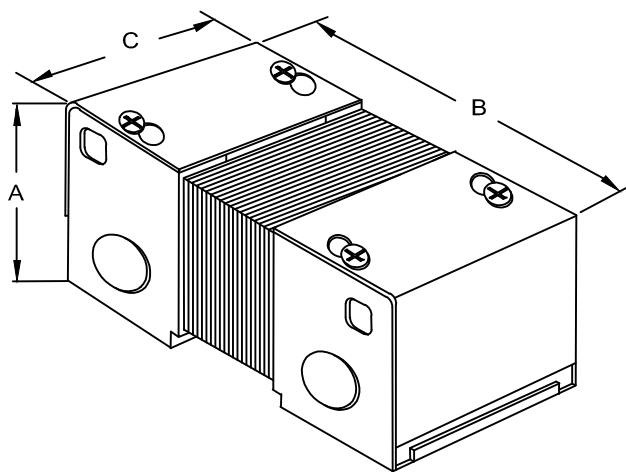
MODEL	MC100B
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	120
Secondary (Volts)	24
Input /Output Amps	0.83 / 4.17
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

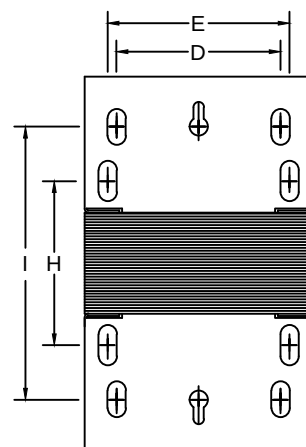
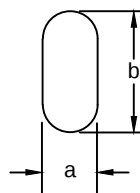


WIRING CONNECTION

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



LETTER	MOUNTING SLOTS INCHES / MM a b
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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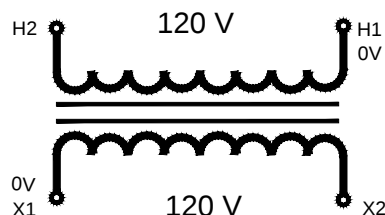
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

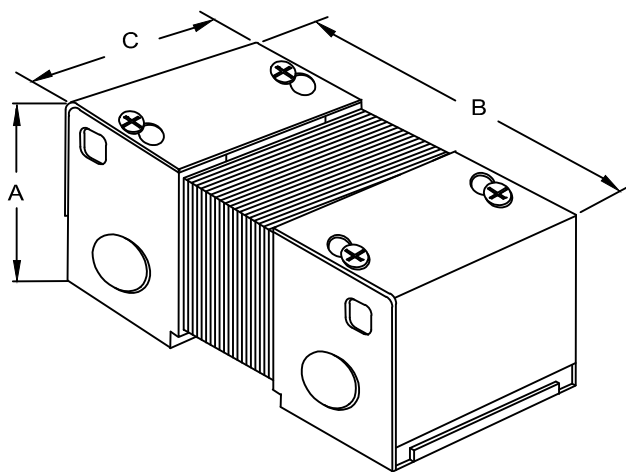
MODEL	MC100C
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	120
Secondary (Volts)	120
Input /Output Amps	0.83 / 0.83
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

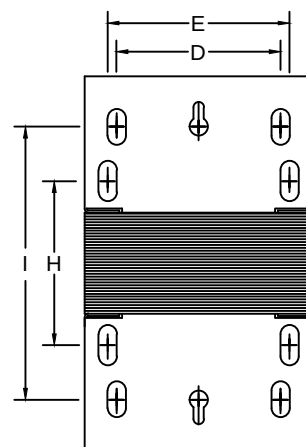
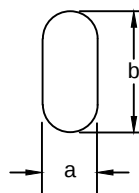


WIRING CONNECTION

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



LETTER	MOUNTING SLOTS INCHES / MM a b
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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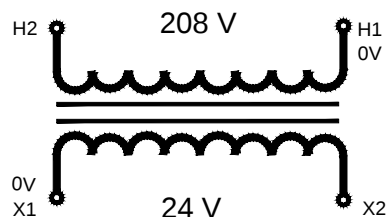
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

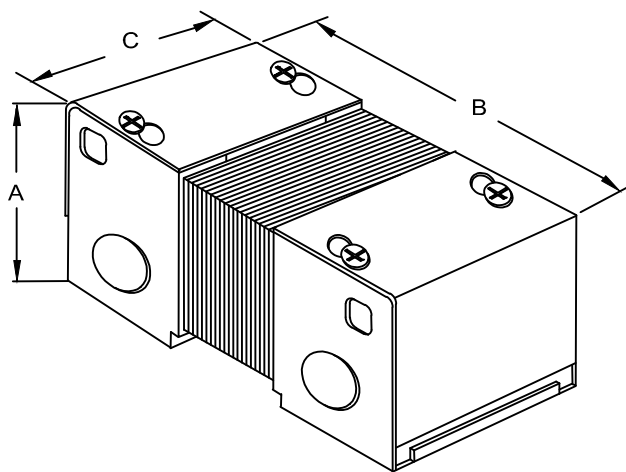
MODEL	MC100D
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	208
Secondary (Volts)	24
Input / Output Amps	0.48 / 4.17
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

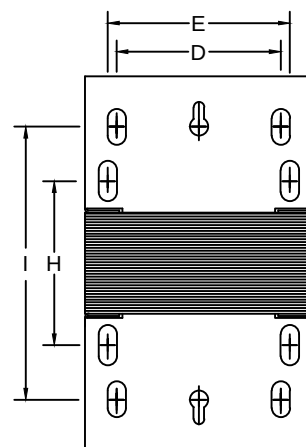
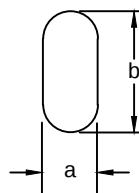


WIRING CONNECTION

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



LETTER	MOUNTING SLOTS INCHES / MM a b
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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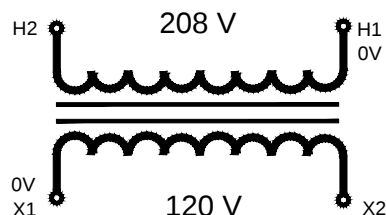
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

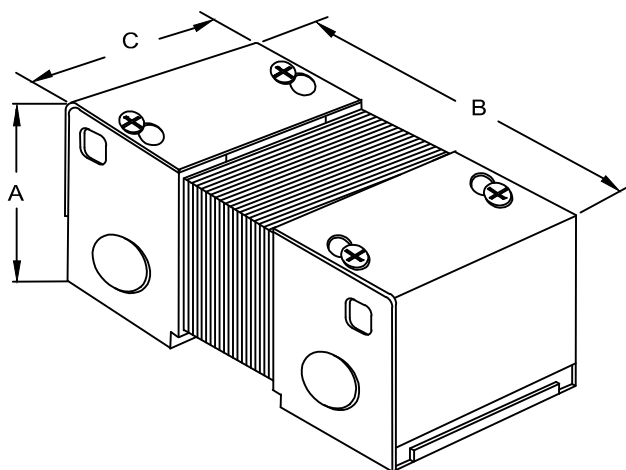
MODEL	MC100E
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	208
Secondary (Volts)	120
Input /Output Amps	0.48 / 0.83
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

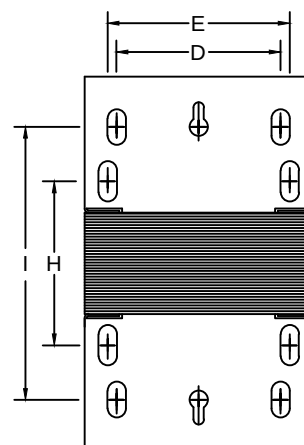
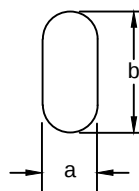


WIRING CONNECTION

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



LETTER	MOUNTING SLOTS INCHES / MM a b
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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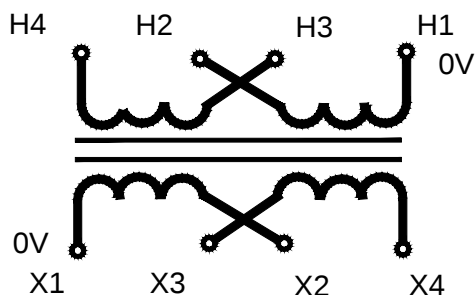
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MC100F
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	120 / 240
Secondary (Volts)	12 / 24
Input / Output Amps	0.83 , 0.42 / 8.33 , 4.17
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



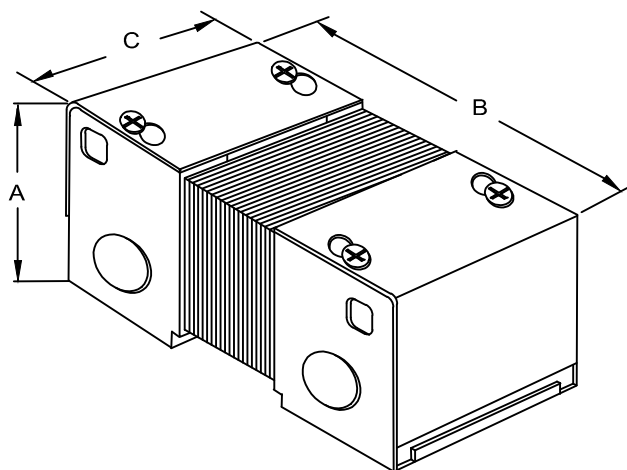
WIRING CONNECTION

PRIMARY :

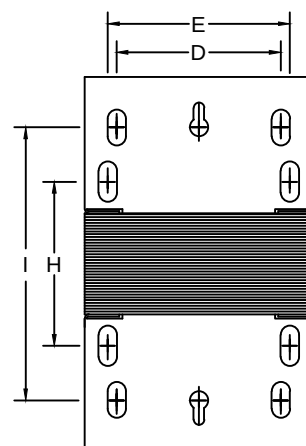
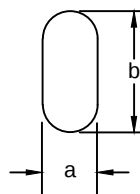
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	H1-H3 AND H2-H4	H1-H4
240	H2-H3	H1-H4

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
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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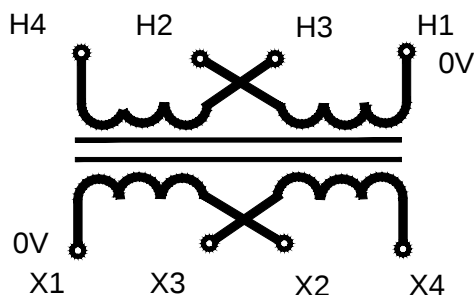
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MC100G
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	120 / 240
Secondary (Volts)	16 / 32
Input / Output Amps	0.83 , 0.42 / 6.25 , 3.13
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



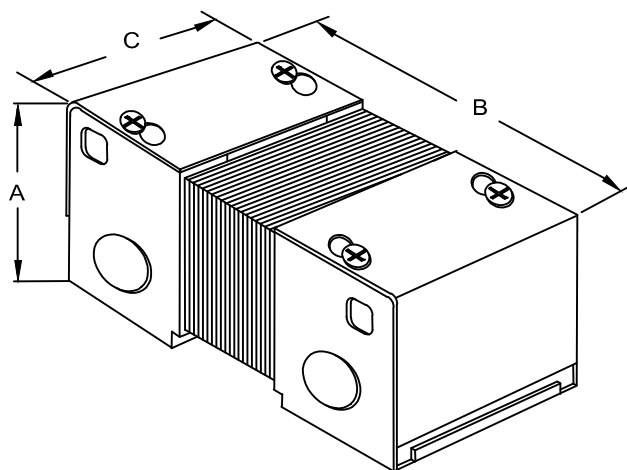
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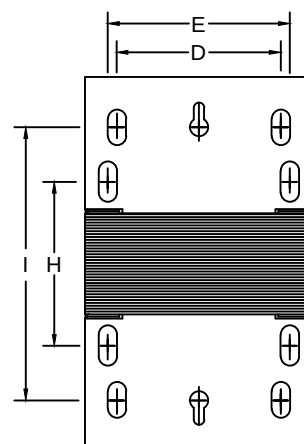
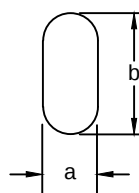
VOLTS	INTERCONNECT:	CONNECT LINES TO :
120	H1-H3 AND H2-H4	H1-H4
240	H2-H3	H1-H4

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
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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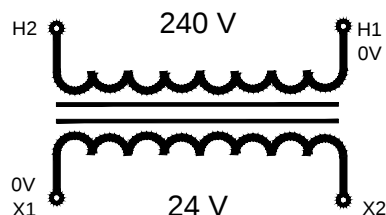
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

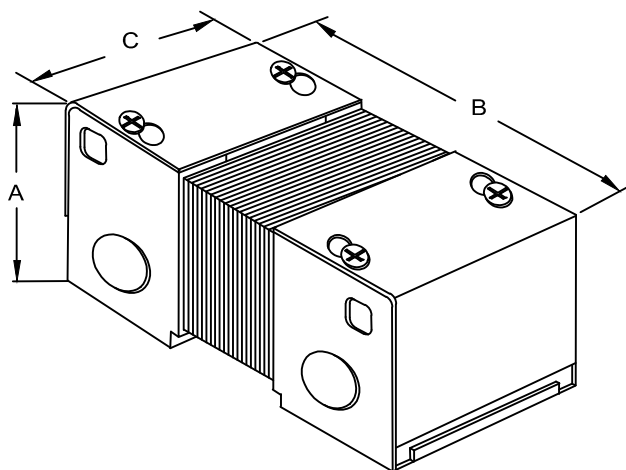
MODEL	MC100H
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	240
Secondary (Volts)	24
Input /Output Amps	0.42 / 4.17
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

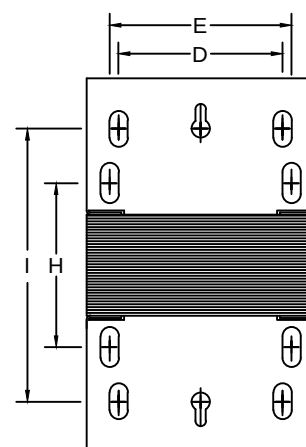
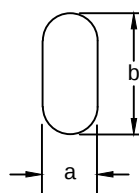


WIRING CONNECTION

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



LETTER	MOUNTING SLOTS	
	INCHES / MM	
S	0.25 x 0.500	a
	6.4 x 12.7	b
T	0.25 x 0.625	a
	6.4 x 15.9	b



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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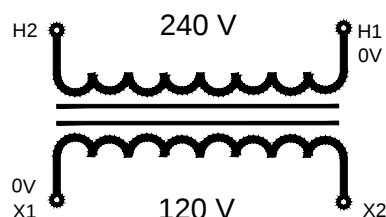
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

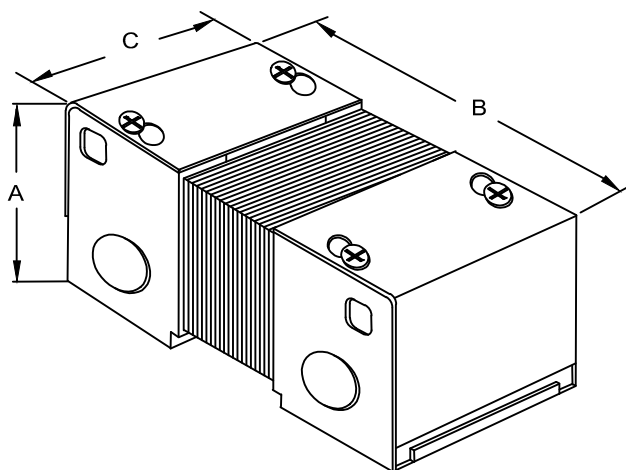
MODEL	MC100I
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	240
Secondary (Volts)	120
Input /Output Amps	0.42 / 0.83
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

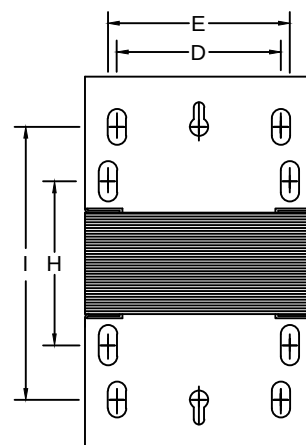
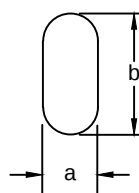


WIRING CONNECTION

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



LETTER	MOUNTING SLOTS INCHES / MM a b
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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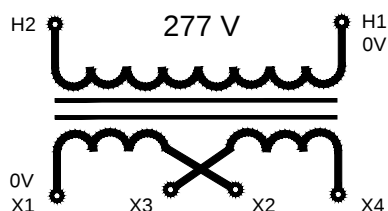
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

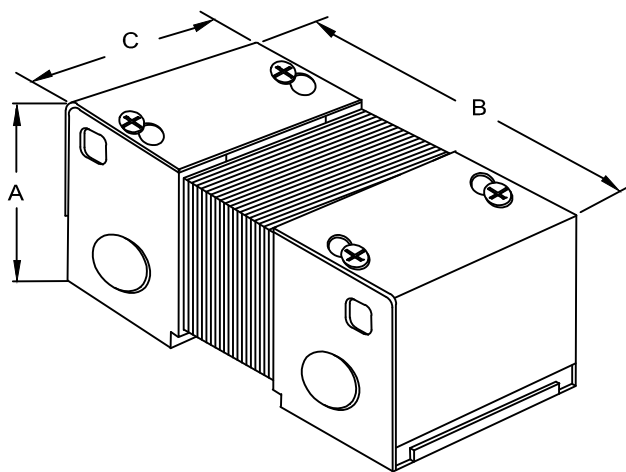
MODEL	MC100J
Type	Closed, Indoor application
VA	100
Primary (Volts)	277
Secondary (Volts)	120 / 240
Input / Output Amps	0.36 / 0.83 , 0.42
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

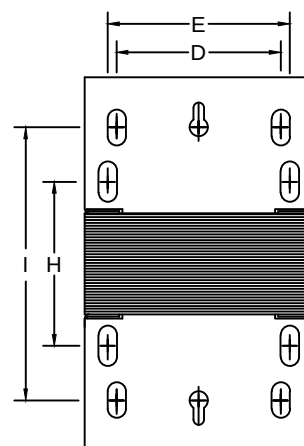
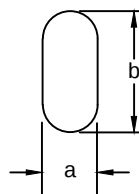


WIRING CONNECTION

PRIMARY :		
VOLTS 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
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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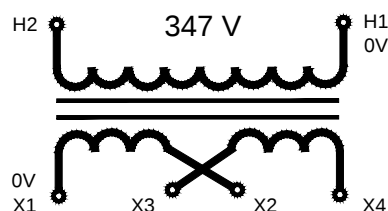
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

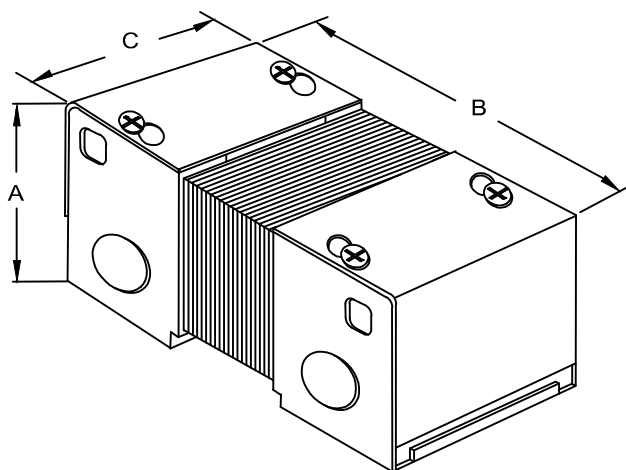
MODEL	MC100K
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	347
Secondary (Volts)	120 / 240
Input / Output Amps	0.29 / 0.83 , 0.42
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

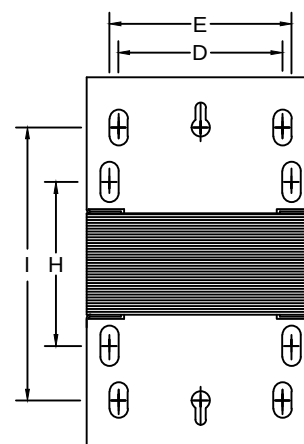
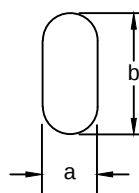


WIRING CONNECTION

PRIMARY :		
VOLTS 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
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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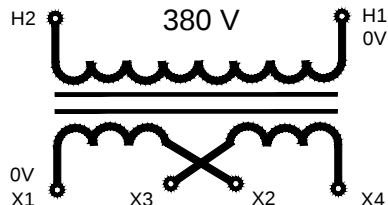
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

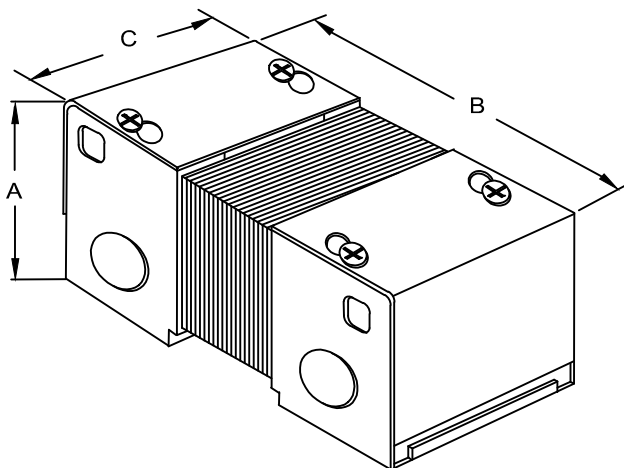
MODEL	MC100L
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	380
Secondary (Volts)	120 / 240
Input /Output Amps	0.29 / 0.83 , 0.42
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

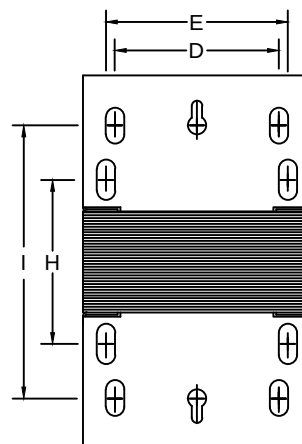
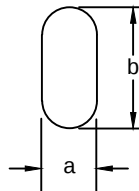


WIRING CONNECTION

PRIMARY :		
VOLTS 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
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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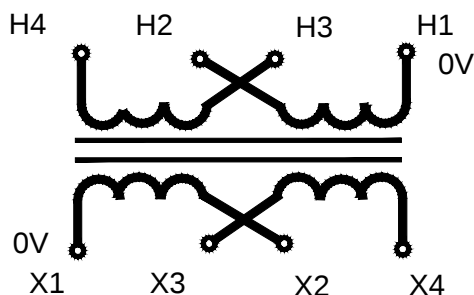
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

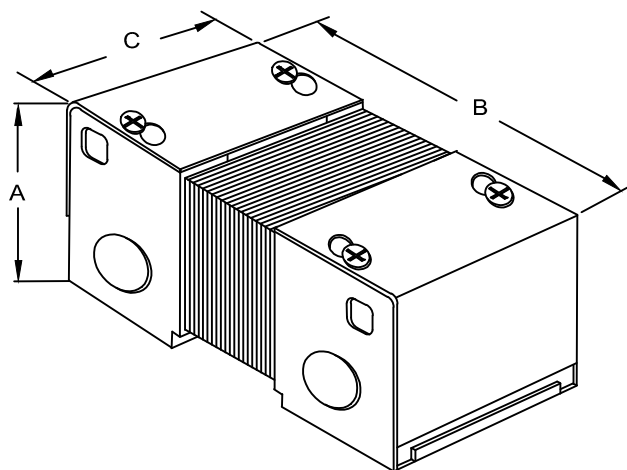
MODEL	MC100M
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	208 / 416
Secondary (Volts)	12 / 24
Input / Output Amps	0.48 , 0.24 / 8.33 , 4.17
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	50 / 60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

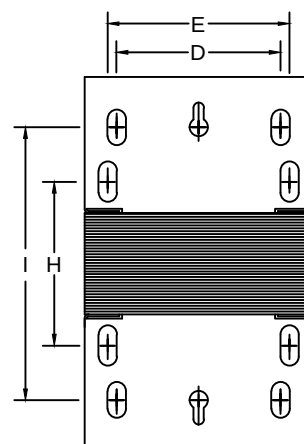
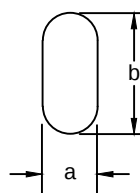


WIRING CONNECTION

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
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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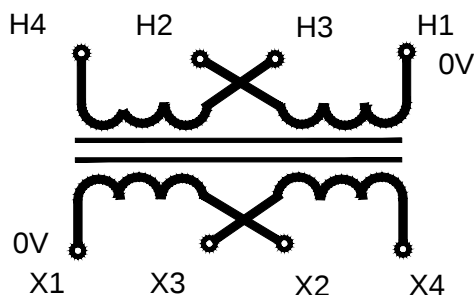
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MC100N
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	208 / 416
Secondary (Volts)	120 / 240
Input / Output Amps	0.48 , 0.24 / 0.83 , 0.42
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



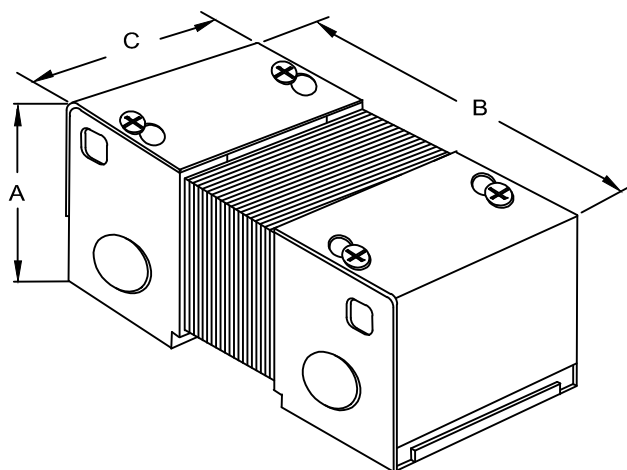
WIRING CONNECTION

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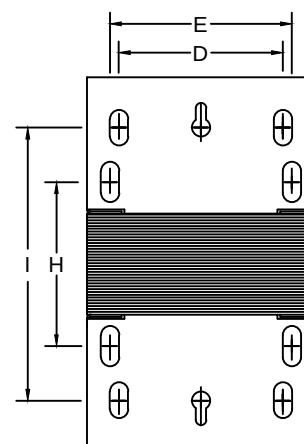
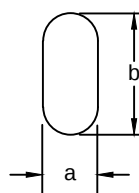
VOLTS	INTERCONNECT:	CONNECT LINES TO :
208	H1-H3 AND H2-H4	H1-H4
416	H2-H3	H1-H4

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
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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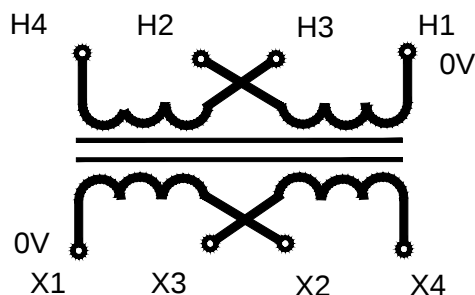
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MC1000
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	240 / 480
Secondary (Volts)	120 / 240
Input / Output Amps	0.42 , 0.21 / 0.83 , 0.42
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



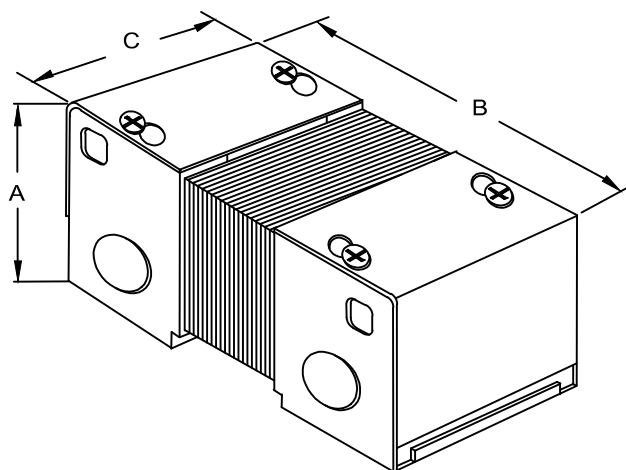
WIRING CONNECTION

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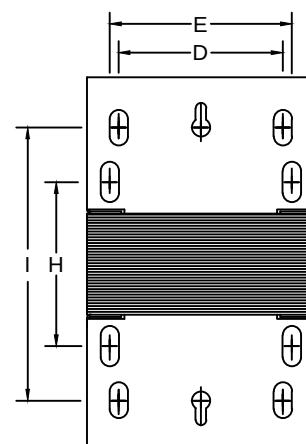
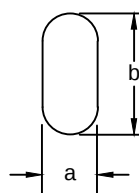
VOLTS	INTERCONNECT:	CONNECT LINES TO :
240	H1-H3 AND H2-H4	H1-H4
480	H2-H3	H1-H4

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
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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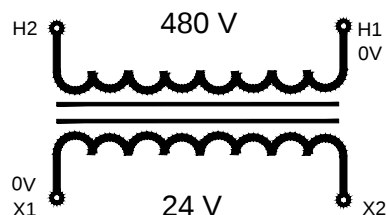
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

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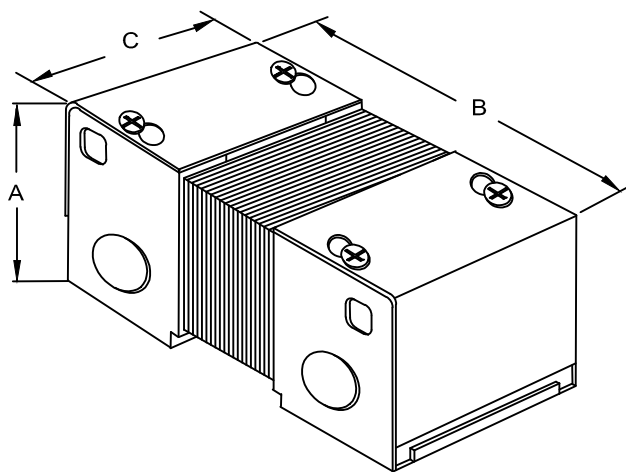
MODEL	MC100P
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	480
Secondary (Volts)	24
Input / Output Amps	0.21 / 4.17
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

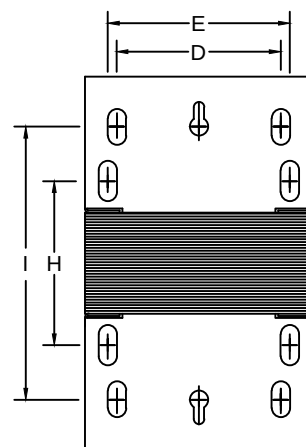
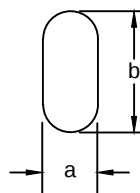


WIRING CONNECTION

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



LETTER	MOUNTING SLOTS	
	INCHES / MM	
S	0.25 x 0.500	a
	6.4 x 12.7	b
T	0.25 x 0.625	a
	6.4 x 15.9	b



DIMENSIONS INCHES / MM

VA	A	B	C	D	E	F	G	H	I	J	K	L	M	SHIP WEIGHT LBS / KG
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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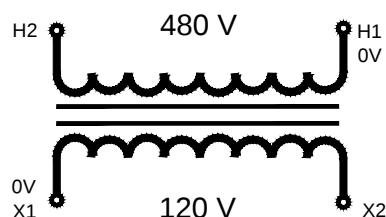
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

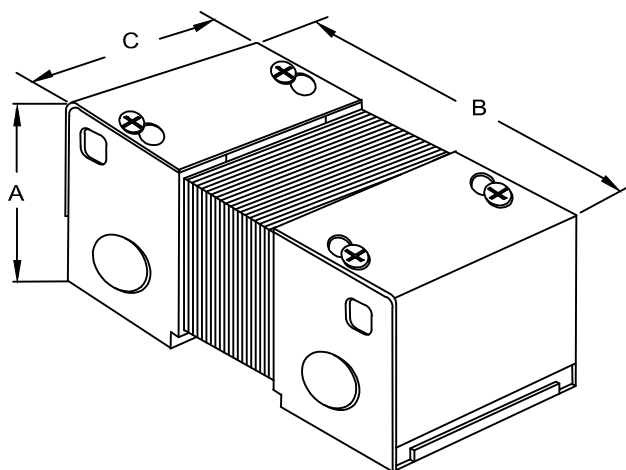
MODEL	MC100Q
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	480
Secondary (Volts)	120
Input / Output Amps	0.21 / 0.83
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

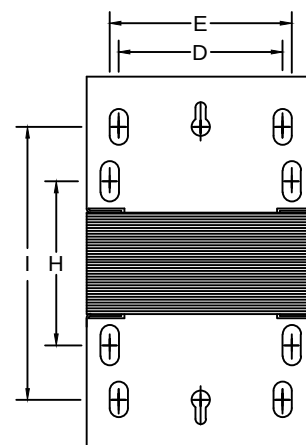
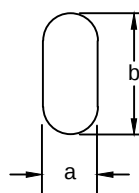


WIRING CONNECTION

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



LETTER	MOUNTING SLOTS INCHES / MM a b
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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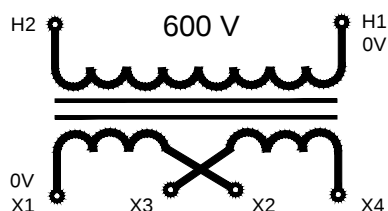
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

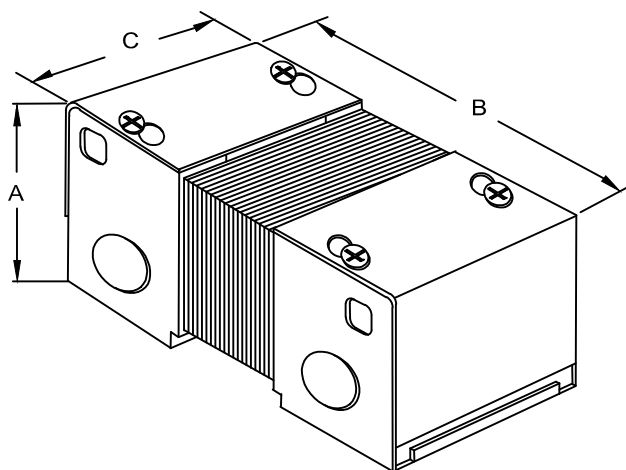
MODEL	MC100R
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	600
Secondary (Volts)	12 / 24
Input / Output Amps	0.17 / 8.33 , 4.17
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

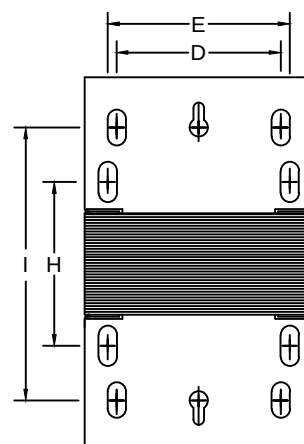
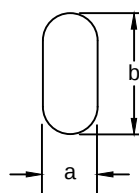


WIRING CONNECTION

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
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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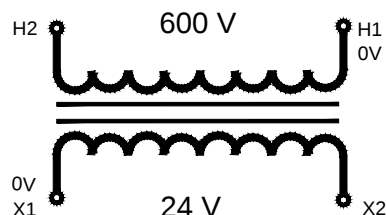
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SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

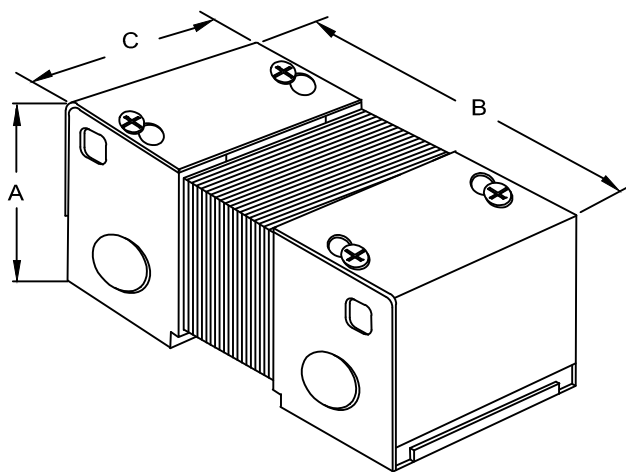
MODEL	MC100S
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	600
Secondary (Volts)	24
Input / Output Amps	0.17 / 4.17
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

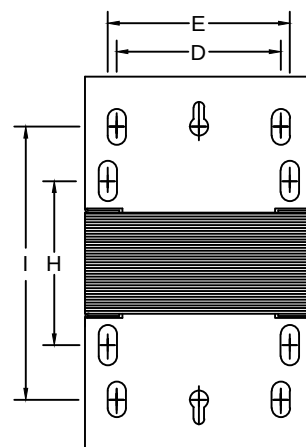
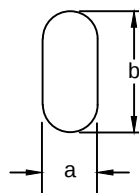


WIRING CONNECTION

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



LETTER	MOUNTING SLOTS INCHES / MM a b
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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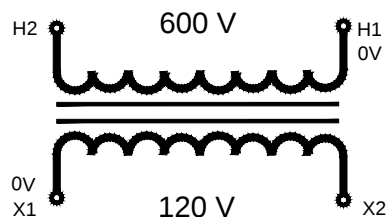
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

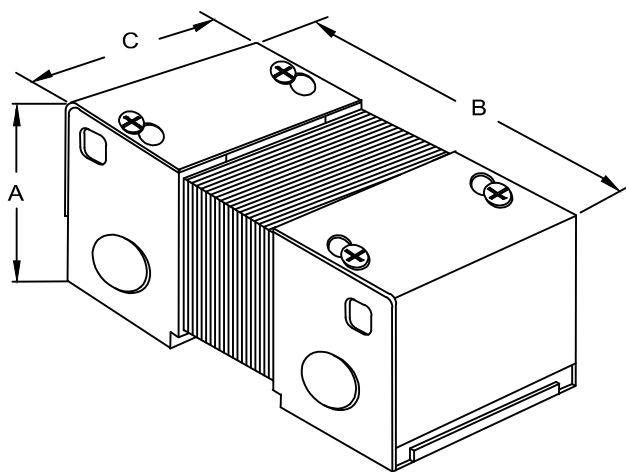
MODEL	MC100T
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	600
Secondary (Volts)	120
Input / Output Amps	0.17 / 0.83
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

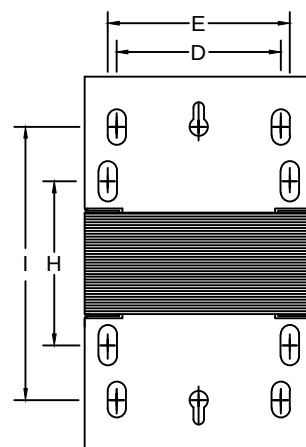
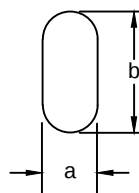


WIRING CONNECTION

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



LETTER	MOUNTING SLOTS INCHES / MM a b
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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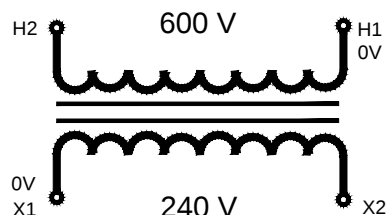
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

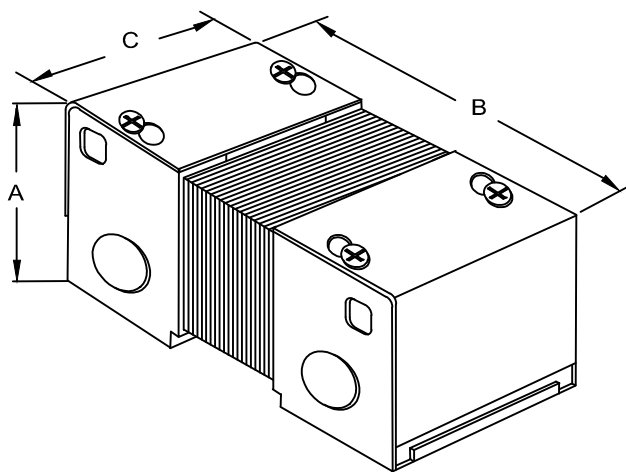
MODEL	MC100U
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	600
Secondary (Volts)	240
Input /Output Amps	0.17 / 0.42
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

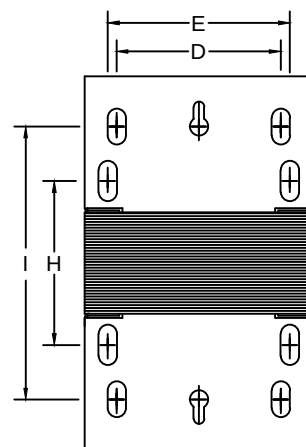
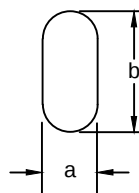


WIRING CONNECTION

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



LETTER	MOUNTING SLOTS INCHES / MM a b
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



MARCUS

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

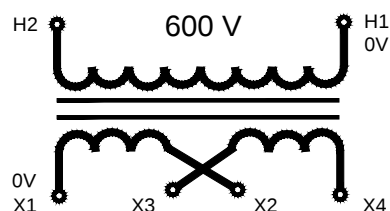
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

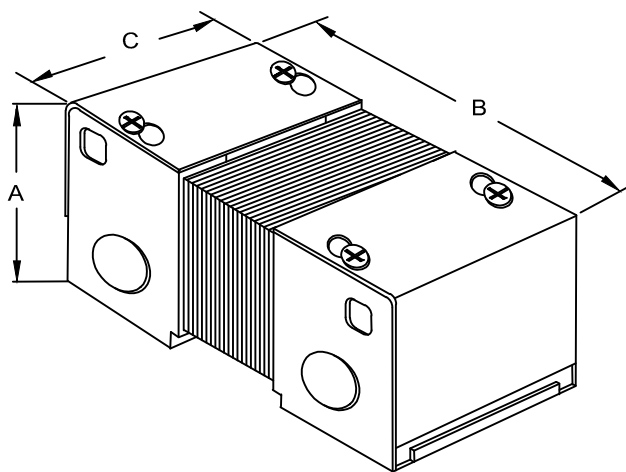
MODEL	MC100V
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	600
Secondary (Volts)	120 / 240
Input / Output Amps	0.17 / 0.83 , 0.42
Temperature Rise	95°C
Insulation Class	B (130°C)
Frequency	60Hz
Polarity	additive
Noise level	less than 40DB
Winding	Copper
Approvals	UL listed CSA approved

CONNECTION DIAGRAM

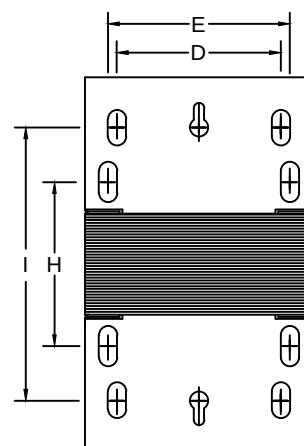
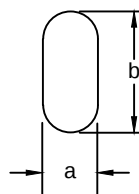


WIRING CONNECTION

PRIMARY :		
VOLTS 600	CONNECT LINES TO : H1-H2	
SECONDARY :		
VOLTS 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
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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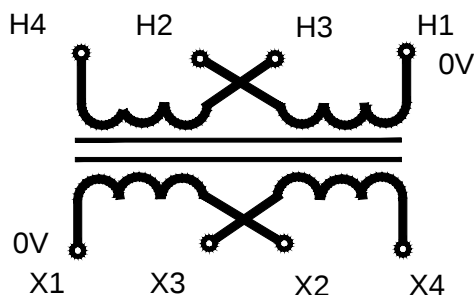
TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

DESCRIPTION

MODEL	MC100X
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	240 / 480
Secondary (Volts)	12 / 24
Input / Output Amps	0.42 , 0.21 / 8.33 , 4.17
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



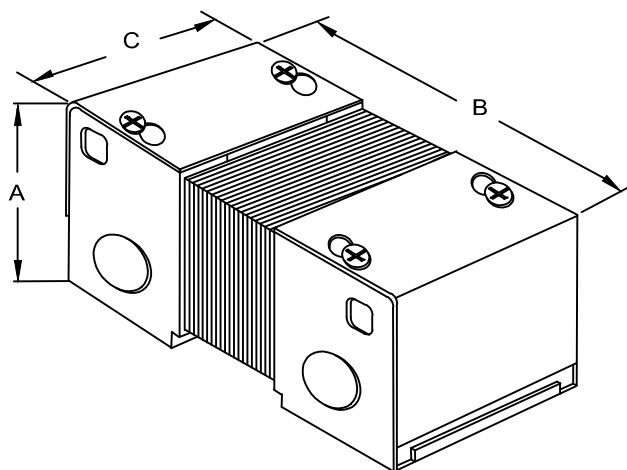
WIRING CONNECTION

PRIMARY :

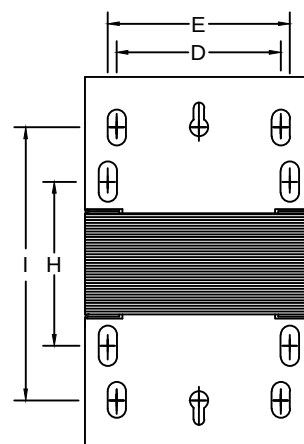
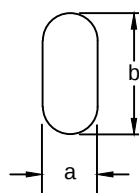
VOLTS	INTERCONNECT:	CONNECT LINES TO :
240	H1-H3 AND H2-H4	H1-H4
480	H2-H3	H1-H4

SECONDARY :

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



LETTER	MOUNTING SLOTS INCHES / MM a b
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7



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TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

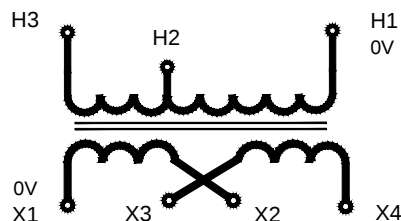
DESCRIPTION

MODEL	MC100Y
Type	Enclosed, Indoor application
VA	100
Primary (Volts)	347 / 380
Secondary (Volts)	12 / 24
Input / Output Amps	0.29 , 0.26 / 8.33 , 4.17
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

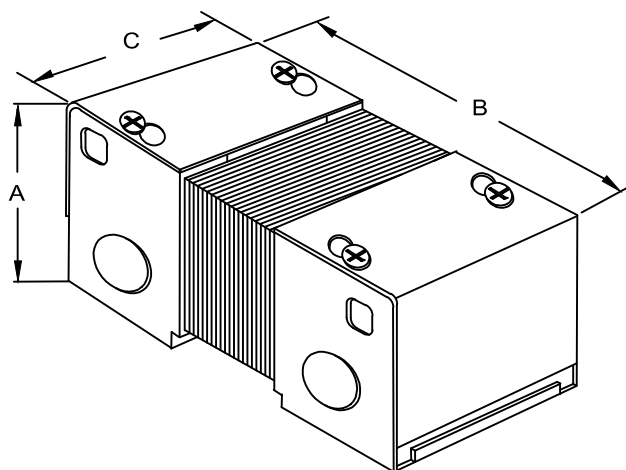
Pos.	H1	H2	H3				
Volts	0V	347	380				

CONNECTION DIAGRAM

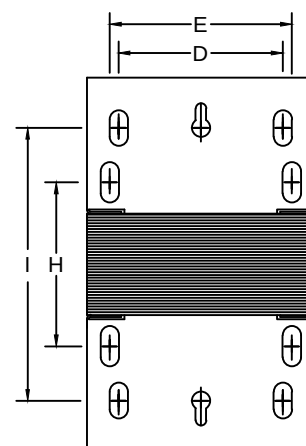
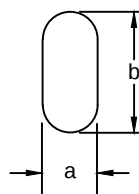


WIRING CONNECTION

PRIMARY :		
VOLTS 347 380	CONNECT LINES TO : H1-H2 H1-H3	
SECONDARY :		
VOLTS 12 24	INTERCONNECT: X1-X3 AND X2-X4 X2-X3	CONNECT LINES TO : X1-X4 X1-X4



LETTER	MOUNTING SLOTS INCHES / MM
	a b
S	0.25 x 0.500 6.4 x 12.7
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
100	2.82 71.6	5.38 136.7	3.13 79.5	2.25 57.2	2.50 63.5			2.50(T) 63.5	4.00(S) 101.6					3.75 1.7