



# MARCUS

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

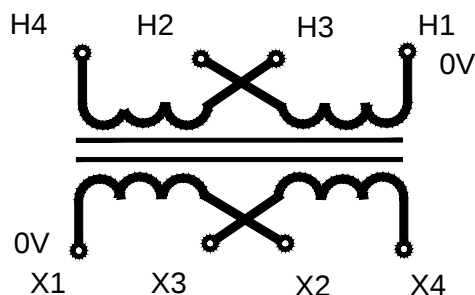
## TECHNICAL DATA

SINGLE PHASE CONTROL TRANSFORMER

### DESCRIPTION

|                     |                              |
|---------------------|------------------------------|
| MODEL               | 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<br>CSA approved    |

### CONNECTION DIAGRAM



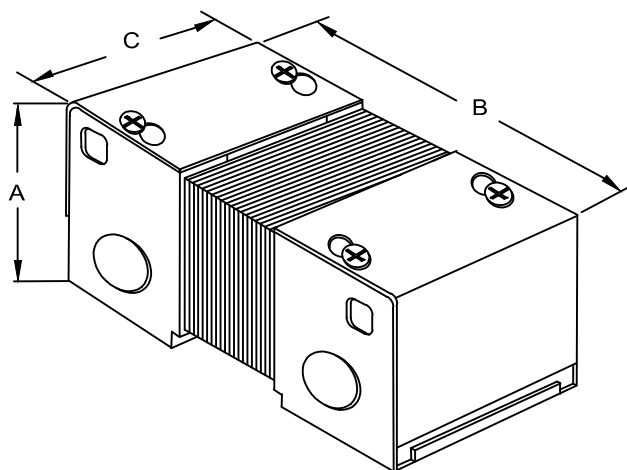
### WIRING CONNECTION

#### PRIMARY :

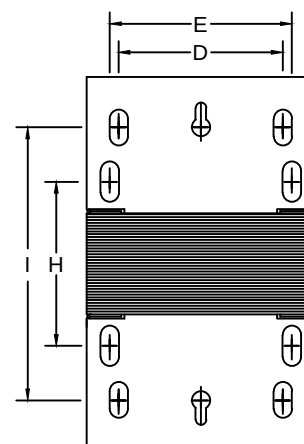
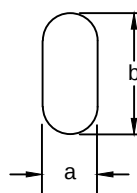
| VOLTS | INTERCONNECT:   | CONNECT LINES TO : |
|-------|-----------------|--------------------|
| 120   | H1-H3 AND H2-H4 | H1-H4              |
| 240   | H2-H3           | H1-H4              |

#### SECONDARY :

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



| LETTER | MOUNTING SLOTS<br>INCHES / MM<br>a b |
|--------|--------------------------------------|
| S      | 0.25 x 0.500<br>6.4 x 12.7           |
| T      | 0.25 x 0.625<br>6.4 x 15.9           |



### DIMENSIONS INCHES / MM

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