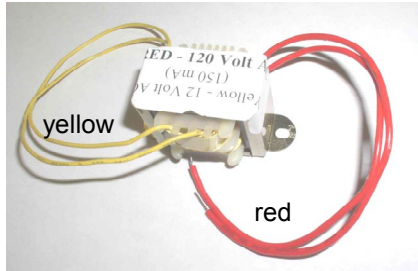


# SPECIFICATION

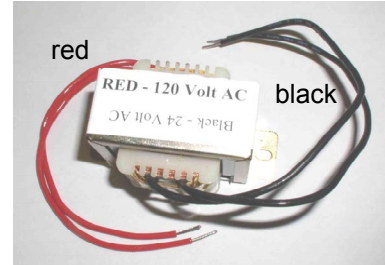
## 12 AND 24 VOLT TRANSFORMER

### PRODUCT INFORMATION

**12 V**

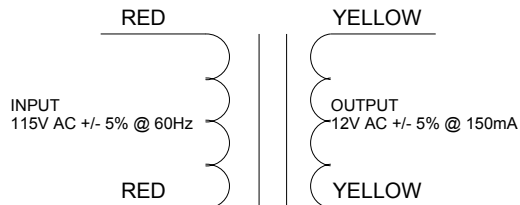


**24 V**

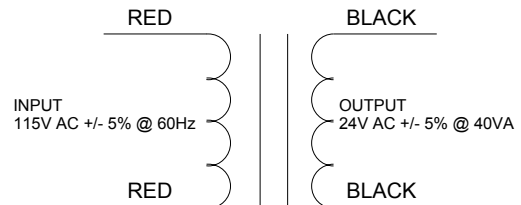


### SCHEMATIC

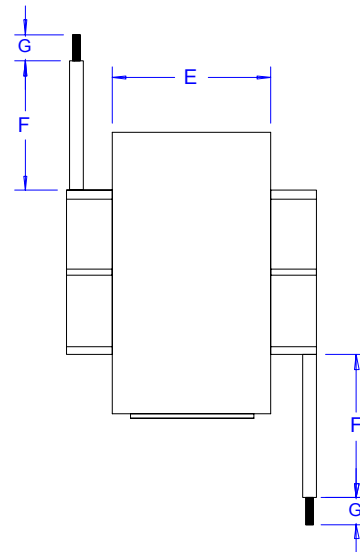
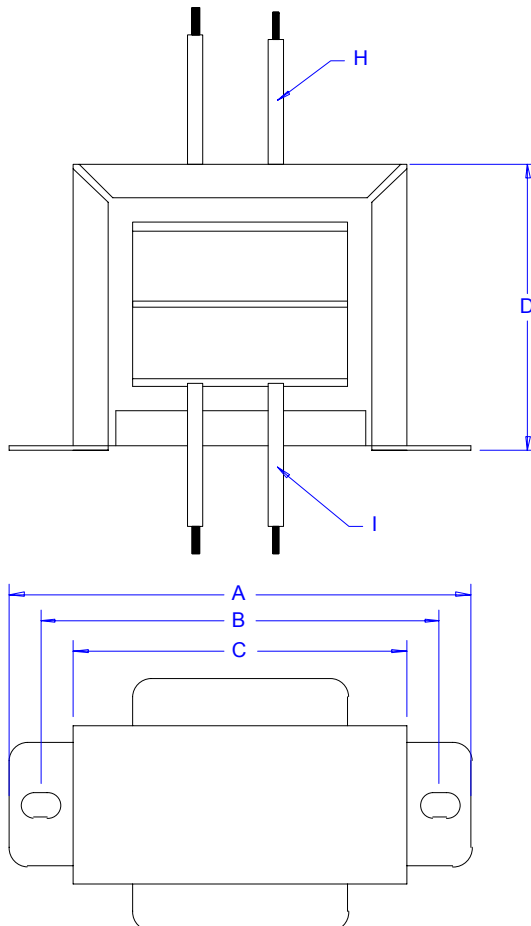
**12 V**



**24 V**



### DIMENSIONS



|   | 12 V             | 24 V             |
|---|------------------|------------------|
| A | 2.44 in (62 mm)  | 3.21 in. (82 mm) |
| B | 2.78 in (71 mm)  | 2.01 in (51 mm)  |
| C | 2.34 in (59 mm)  | 1.69in (43 mm)   |
| D | 2.00 in (51 mm)  | 1.43 in (36 mm)  |
| E | 1.10 in (28 mm)  | 0.86 in (22 mm)  |
| F | 7.50 in (190 mm) | 7.50 in (190 mm) |
| G | 0.39 in (10 mm)  | 0.39 in (10 mm)  |
| H | Yellow, 22 AWG   | Black, 18 AWG    |
| I | Red, 22 AWG      | Red, 18 AWG      |

**PRODUCT  
SPECIFICATION**

| Electrical Specification | 12 V                                                                                                                                                                                              | 24 V                                                                                                                                                                                                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input                    | 115VAC±5% 60hz                                                                                                                                                                                    | 115 VAC±5% 60hz                                                                                                                                                                                      |
| Exciting Current         | 45mA max                                                                                                                                                                                          | 75mA max                                                                                                                                                                                             |
| Output                   | <ul style="list-style-type: none"> <li>Secondary no load voltage 12.8 VAC ±5%.</li> <li>Secondary load voltage 12VAC + 5% 150 mA.</li> </ul>                                                      | <ul style="list-style-type: none"> <li>Secondary no load voltage 25.8 VAC±5%.</li> <li>Secondary load voltage 24 VAC±5% 40 VA.</li> </ul>                                                            |
| Insulation               | Winding to Winding and Winding to coil by 500 VDC, 100M OHM min                                                                                                                                   | Winding to Winding and Winding to coil by 500 VDC, 100M OHM min                                                                                                                                      |
| Hi-pot Test              | <ul style="list-style-type: none"> <li>Primary to Secondary by 1000VAC 1/minute 5mA</li> <li>Primary to Core by 1000VAC 1/minute 5mA</li> <li>Secondary to Core by 600VAC 1/minute 5mA</li> </ul> | <ul style="list-style-type: none"> <li>Primary to Secondary by 1000VAC 1/minute 5mA.</li> <li>Primary to Core by 1000VAC 1/minute 5mA.</li> <li>Secondary to Core by 600VAC 1/minute 5mA.</li> </ul> |

**MATERIAL LIST**

| #  | Item            | Type/Material                               |                                            | Manufacturer/Supplier                                        |
|----|-----------------|---------------------------------------------|--------------------------------------------|--------------------------------------------------------------|
|    |                 | 12 V                                        | 24 V                                       |                                                              |
| 1. | Lamination      | EI-41/20 0.5mm(t) H5OA                      | EI-57/25 0.50mm H5OA                       | Kawasaki Steel Corporation                                   |
| 2. | Bobbin          | EI-41/20 Nylon 66                           | EI-57/25 Nylon 66                          | Jeng Shong Enterprises Co., LTD.<br>UL NO. E89776 (S)        |
| 3. | Copper wire     | Polyurethane Enameled Copper wire, 2UEW     |                                            | Pacific Electric Wire & Cable Co., LTD.<br>UL NO. E84081 (S) |
| 4. | PVC lead wire   | Yellow, #1007, 22 AWG<br>Red, #1015, 22 AWG | Black, #1015, 18 AWG<br>Red, #1015, 18 AWG | Rei Hsing CO., LTD.<br>UL NO. E108485                        |
| 5. | Insulating tape | Polyester film tape / #1350                 |                                            | Minnesota Mining & MFG. (3M)<br>UL NO. E17385 (N)            |
| 6. | Crossover tape  | A.C.T. / AC-403F (105°C)                    |                                            | Chyun Yih Tape Co., LTD.<br>UL NO. E81174 (S)                |
| 7. | Bracket         | Metal / 0.35mm (t)                          |                                            | Fu Hsing Industrial Co., LTD.                                |