

## Triple Output Industrial Power Supplies

### Features

- ◆ 5 Year Warranty
- ◆ Power factor Corrected
- ◆ Approved to VDE0160 Machinery Directive
- ◆ Universal Input (85 - 265VAC)
- ◆ Level B EMI

### Key Market Segments & Applications

- ◆ Factory Automation Process Control, NC-Machining, Automotive, Packaging Equipment, Materials Handling, Chemical Processing, Robots
- ◆ Test & Measurement Burn-in & Test, Automated Test, Instrumentation, Measurement, Detection



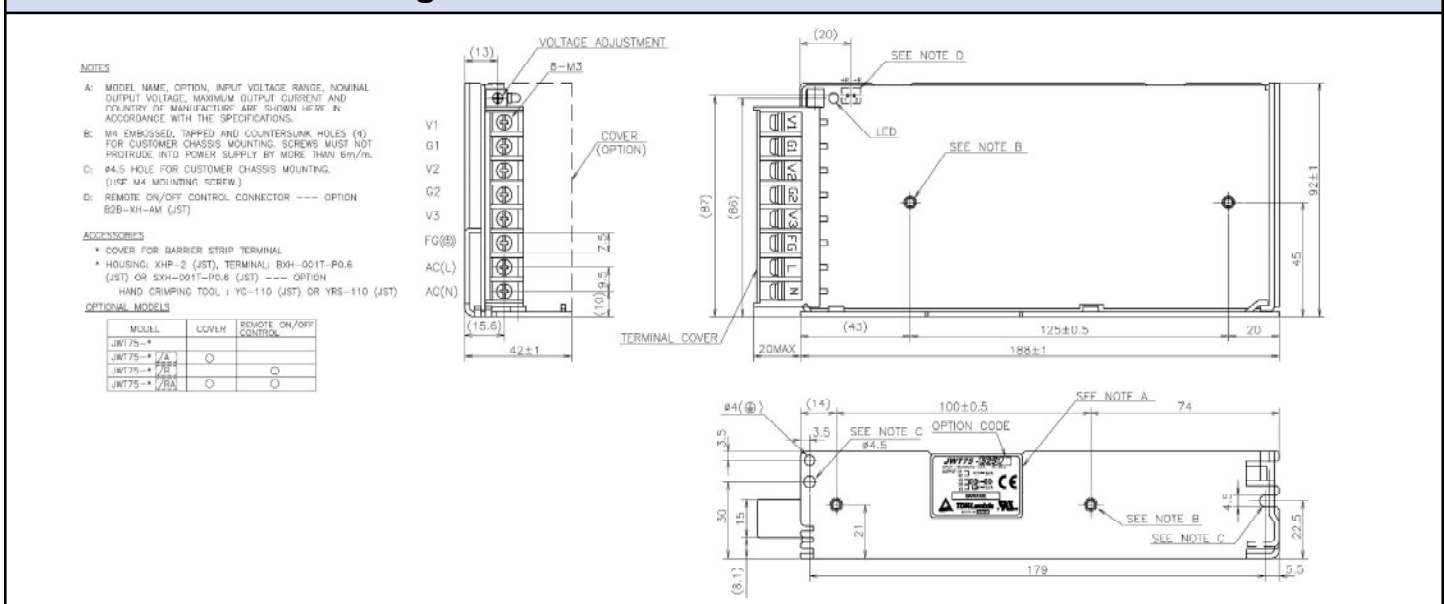
**Not recommended for new designs - see CUT series**

| Specifications            |    |                                                                                                                                           |  |               |
|---------------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------|--|---------------|
| Model                     |    | JWT75                                                                                                                                     |  | JWT100        |
| Max Output Power          | W  | 75                                                                                                                                        |  | 100           |
| Efficiency (Typ)          | %  | 72                                                                                                                                        |  |               |
| Input Voltage range       | -  | 85 - 265VAC (47 - 63Hz) or 120 - 330VDC                                                                                                   |  |               |
| Input Current Typ         | A  | 1.2 / 0.6                                                                                                                                 |  | 1.4 / 0.7     |
| Inrush Current            | A  | 14A at 100VAC, 28A at 200VAC input                                                                                                        |  |               |
| Power Factor              | -  | Meets EN61000-3-2                                                                                                                         |  |               |
| Output Voltage Accuracy   | -  | V1 variable, V2 & V3 +/-5%                                                                                                                |  |               |
| Temperature Coefficient   | -  | V1 & V2 <0.02%/°C, V3 <0.03%/°C                                                                                                           |  |               |
| Overcurrent Protection    | -  | >105%                                                                                                                                     |  |               |
| Overvoltage Protection    | V  | Main output only: 5.7 - 7V                                                                                                                |  |               |
| Hold Up Time (Typ)        | ms | 20                                                                                                                                        |  |               |
| Leakage Current           | -  | 0.75mA Max, 0.44mA typical at 230VAC                                                                                                      |  |               |
| Operating Temperature     | -  | -10°C to +65°C, derate linearly to 50% load from 50°C to 65°C<br>-10°C to +50°C, derate linearly to 60% load from 40°C to 50°C with cover |  |               |
| Storage Temperature       | -  | -30 to +85°C                                                                                                                              |  |               |
| Humidity                  | -  | 30 - 90% RH (operating), 10 - 95% RH (non operating)                                                                                      |  |               |
| Cooling                   | -  | Convection                                                                                                                                |  |               |
| Withstand Voltage         | -  | Input to Ground 2kVAC (20mA), Input to Output 3kVAC (20mA),<br>Output to Ground 500VAC (100mA) for 1 min.                                 |  |               |
| Isolation Resistance      | -  | >100M at 25°C & 70%RH, Output to Ground 500VDC                                                                                            |  |               |
| Vibration (non operating) | -  | 10 - 55Hz (1 minute sweep), 2G constant X, Y, Z 1 hour                                                                                    |  |               |
| Shock                     | -  | <20G                                                                                                                                      |  |               |
| Safety Agency Approvals   | -  | UL60950-1, CSA60950-1, EN60950-1, VDE0160, CE Mark, Built to meet DENTORI                                                                 |  |               |
| Conducted & Radiated EMI  | -  | EN55011 / EN55022-B, FCC Class B, VCCI-B                                                                                                  |  |               |
| Recommended EMI Filter    | -  | RSEL-2002W                                                                                                                                |  |               |
| Weight (Typ)              | g  | 600                                                                                                                                       |  | 720           |
| Size (WxHxD)              | mm | 42 x 92 x 188                                                                                                                             |  | 48 x 92 x 203 |
| Warranty                  | -  | Five Years                                                                                                                                |  |               |

## Model Selector

| Model        | Output | Voltage | Adjust. Range | Min Current (A) | Max Current (A) | Load Reg (mV) | Line Reg (mV) | Ripple Noise (mV) |
|--------------|--------|---------|---------------|-----------------|-----------------|---------------|---------------|-------------------|
| JWT75-522/A  | V1     | +5V     | 5 - 5.25      | 0.8             | 8               | 40            | 20            | 120               |
|              | V2     | +12V    | -             | 0               | 4               | 100           | 48            | 150               |
|              | V3     | -12V    | -             | 0               | 0.5             | 150           | 48            | 150               |
| JWT75-5FF/A  | V1     | +5V     | 5 - 5.25      | 0.8             | 8               | 40            | 20            | 120               |
|              | V2     | +15V    | -             | 0               | 3.2             | 120           | 60            | 150               |
|              | V3     | -15V    | -             | 0               | 0.5             | 150           | 60            | 150               |
| JWT75-525/A  | V1     | +5V     | 5 - 5.25      | 0.8             | 8               | 40            | 20            | 120               |
|              | V2     | +12V    | -             | 0               | 4               | 100           | 48            | 150               |
|              | V3     | -5V     | -             | 0               | 0.5             | 100           | 20            | 150               |
| JWT100-522/A | V1     | +5V     | 5 - 5.25      | 1.3             | 13              | 40            | 20            | 120               |
|              | V2     | +12V    | -             | 0               | 5.5             | 100           | 48            | 150               |
|              | V3     | -12V    | -             | 0               | 1               | 150           | 48            | 150               |
| JWT100-5FF/A | V1     | +5V     | 5 - 5.25      | 1.3             | 13              | 40            | 20            | 120               |
|              | V2     | +15V    | -             | 0               | 4.5             | 120           | 60            | 150               |
|              | V3     | -15V    | -             | 0               | 1               | 150           | 60            | 150               |
| JWT100-525/A | V1     | +5V     | 5 - 5.25      | 1.3             | 13              | 40            | 20            | 120               |
|              | V2     | +12V    | -             | 0               | 5.5             | 100           | 48            | 150               |
|              | V3     | -5V     | -             | 0               | 1               | 100           | 20            | 150               |

## JWT75 Outline Drawing



## Options

| Suffix                             | Description                                     |
|------------------------------------|-------------------------------------------------|
| Blank                              | Screw terminals, no cover                       |
| /A                                 | Screw terminals, cover (Standard US stock item) |
| /B*                                | Molex terminals, no cover                       |
| /C*                                | Molex terminals, cover                          |
| /R                                 | Remote On / Off                                 |
| * Obsolete effective May 1st, 2020 |                                                 |
| Example                            | JWT75-525/RA                                    |

## Dimensions Table

|        | Height (H) | Width (W) | Depth (D) |
|--------|------------|-----------|-----------|
| JWT75  | 1.65       | 3.62      | 7.40      |
| JWT100 | 1.89       | 3.62      | 7.99      |

For Additional Information, please visit  
<https://product.tdk.com/en/power/>



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