


## **BF505 Single Cycle Burst Firing Trigger Unit**

<p>BF505 can be used for controlling a single phase or a three phase thyristor stack for single cycle burst firing application.</p> <p><b>Features</b></p> <ul style="list-style-type: none"> <li>* Slim size, same mounting pitch, 80mm as a standard semi-pak thyristor.</li> <li>* Users select 0-10V, 0-5V &amp; 4-20mA inputs.</li> <li>* Trigger thyristor from 1A to 1000A.</li> <li>* Complete single cycle firing.</li> <li>* Zero &amp; span adjustable.</li> </ul>	
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### **General specification**

Supply voltage	110V ac, 240V & 415V. Supply voltage to BF505, it is not necessary the thyristor stacks supply voltage.
Zero adjust	0-30% of span
Span adjust	2V to 20V dc input
Input resistance	47K min for 0-10V, 220 ohm max. for 4-20mA input
<b>0-10V input</b>	<b>Standard, factory set</b>
<b>0-5V, 4-20mA</b>	<b>user select with on board switches</b>
Cycle time	80mS max.
Aux. output	0-10V, 3mA
Off state dV/dt	200V/us
<b>Output off state blocking voltage</b>	<b>1200V</b>
Isolation	2500V rms
Dimension	width: 120mm, depth: 60mm, height: 41mm
Mounting pitch	80mm

### **Ordering Information**

#### **BF505 - Supply Voltage - Control configuration -00**

\*\* Supply voltage: 110V, 240V or 415V

Control Configuration:           Single phase with 1 thyristor stack - 1S  
   Three phase with 2 thyristor stack - 2S  
   Three phase with 3 thyristor stack - 3S