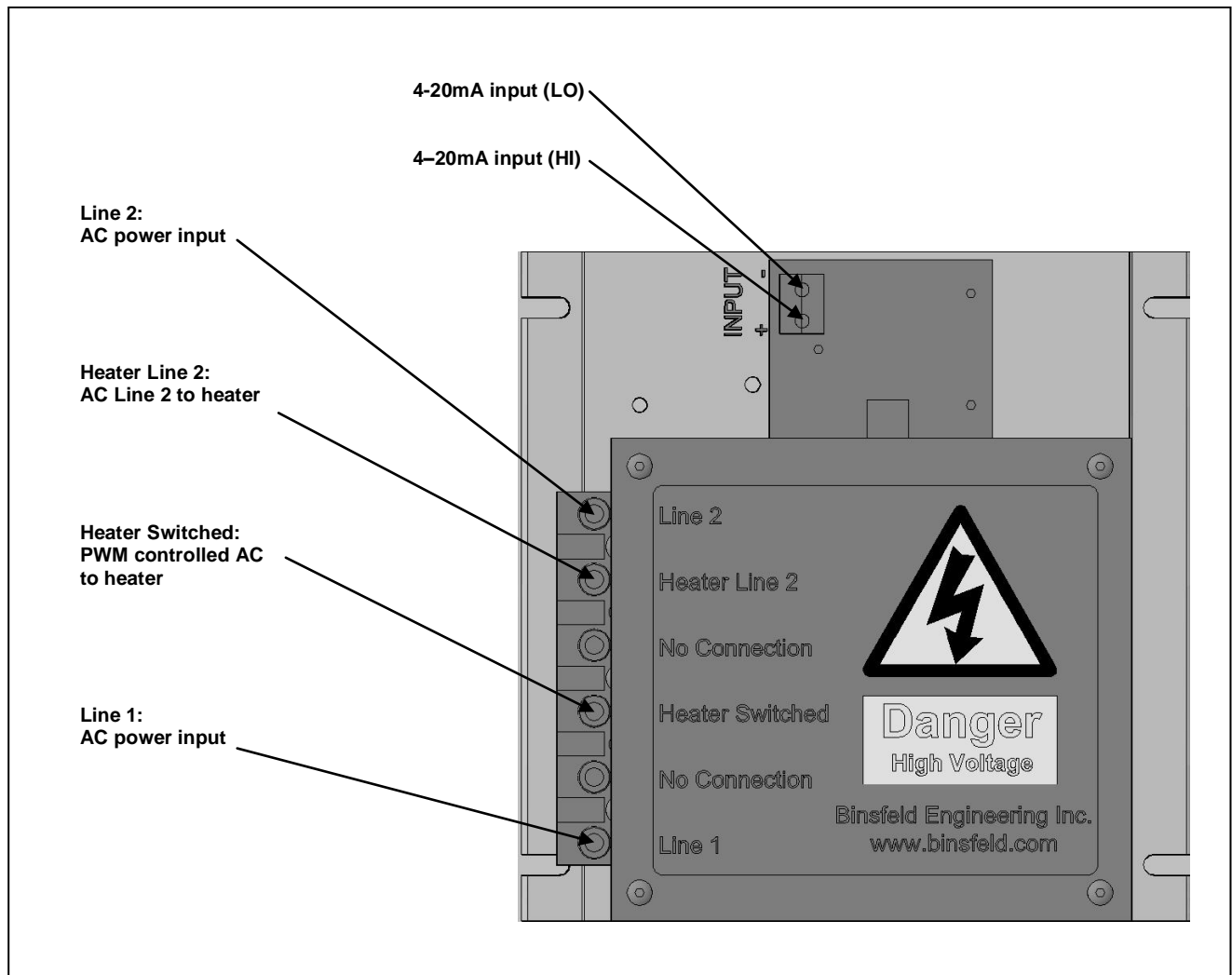
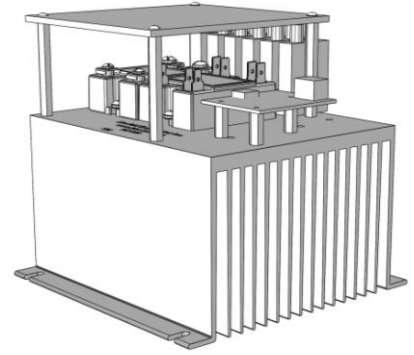


HD480-I Heater Driver with Current Interface (764-001)

The HD480-I Heater Driver is an upgrade/conversion option for the godet heater driver on Rieter/SwissTex extrusion machinery. The unit mounts in place of the original heater driver but accepts a standard 4-20mA signal (instead of the 14,935-21,731 Hz Rieter frequency signal) for 0-300°C sensed temperature. When used in conjunction with the Binsfeld DS220 Digital Stator, the HD480-I allows users to convert machine control from the unique Rieter frequency to industry standard 4-20mA.



HD480-I Input and Output Terminals

HD480-I Heater Driver with Current Interface (764-001)

Specifications

Power Controller Module

| | |
|-----------------------|---------------------|
| Crydom Part Number | D4875-10 |
| Operating Voltage | 80-530VAC (47-63Hz) |
| Max Load Current | 75Arms |
| Min Load Current | 40Arms |
| Operating Temperature | -30 to 80°C |

Soft-Start Module

| | |
|-----------------------|-------------|
| Crydom Part Number | SST240-4630 |
| Operating Temperature | -30 to 80°C |

Heatsink

| | |
|--------------------|-------|
| Crydom Part Number | HS053 |
|--------------------|-------|

Current-to-Time Proportional Converter

| | |
|-----------------------|---|
| TMC Part Number | Series 60804 |
| Input | 4-20mA at minimum 12V compliance (4-20mA source must be able to drive 12V min) |
| PWM Period | Adjustable 1 to 10 seconds |
| PWM Duty Cycle | On-Time is proportional to 4-20mA input (i.e. 0% at 4mA, 100% at 20mA) Note: For best operation, PWM periods should be greater than or equal to 2 seconds. |
| Operating Temperature | -30 to 50°C |

Note: Torque Heater and AC Line field connections to 15 in-lb.

This User's Guide is subject to change without notice.

Warranty

Binsfeld Engineering Inc. warrants this product to be free from defective materials and workmanship for a period of one year from the date of delivery to the original purchaser and that its products will conform to specifications and standards published by Binsfeld Engineering Inc. Upon evaluation by Binsfeld Engineering Inc., any product found to be defective will be replaced or repaired at the sole discretion of Binsfeld Engineering Inc. Our warranty is limited to the foregoing. Binsfeld Engineering Inc. disclaims any warranty of merchantability or fitness for intended purpose.
