Look inside pocket for complete technical specifications of Watlow's DIN-A-MITE power controllers.

Built and backed by Watlow's experience and dedication ensuring you advantages.

DIN-A-MITE B

DIN-A-MITE C

Thru-Wall

DIN-A-MITE D

Fan-Cooled

DIN-A-MITE A

MERCURY FREE

We designed the DIN-A-MITE family of displacement relays (MDR). The DIN-A-MITEs fit in the same footprint as the relays, so there was no need to reconfigure the machine. The DIN-A-MITE controllers also eliminated electrical noise and prevented machine downtime.

Even the slightest variation can cause damage to expensive ingots and chips. Watlow knows the importance of consistent product, less rejects and accurate temperatures, a more consistent product, less rejects and accurate temperatures. In a coatings application, the DIN-A-MITE controllers helped to maintain process set point without any overshoot or droop so the coating was consistent from batch to batch.

Watlow recommends DIN-A-MITE controllers to replace the mechanical relay systems. The DIN-A-MITE family of controllers is an ideal solution for the packaging equipment's heating system.

A plastics manufacturer used MDRs instead of mercury to control press temperatures. They needed a product that would fit in the existing cabinet to avoid the costs involved with increasing the size of the cabinet. The customer replaced all of the SCR and mechanical relay controlled heaters and the process became more efficient.

Because the disposal of mercury is a significant environmental issue, Watlow encourages you to consider the use of the DIN-A-MITE family instead of mercury. If eliminating mercury from your equipment is a specification, and you want to maintain the same performance level, Watlow recommends DIN-A-MITE controllers to replace the mechanical relay systems.

Watlow manufactures thermal systems for a broad range of industries. Our products include industrial furnaces, heaters, sensors, controllers and actuators. Watlow has grown in product capability, market experience and global reach. We hold more than 100 patents and are an ISO 9001 company, working in 17 countries around the world. Watlow markets thermal systems worldwide.

Watlow manufactures the complete thermal system allows Watlow to recommend, develop and deliver the optimum thermal solution for our customers' equipment and process heat requirements.

The DIN-A-MITE family of controllers is a food equipment replacement system for Watlow's 100 amp DIN-A-MITE SCR cabinet. The customer replaced all of the SCR's and mechanical relays and the DIN-A-MITE controllers help to maintain process set point without any overshoot or droop so the coated product was consistent from batch to batch.

We designed the DIN-A-MITE family of displacement relays (MDR) to provide a more efficient, reliable and less expensive method to control large electrical systems. These controllers improve heater control, as well as system life and process temperature control.

The smaller DIN-A-MITE controller size means the size of clean-up and maintenance is less than the mechanical relay system.

You'll get better control of the electrical systems with DIN-A-MITE controllers. These controllers improved heater control, as well as system life and process temperature control.

DIN-A-MITE means the size of clean-up and maintenance is less than the mechanical relay system.

Watlow offers DIN-A-MITE power controllers that are an ideal replacement for similar size, amperage controller, with even more features and advantages.

Watlow recommends DIN-A-MITE controllers to replace the mechanical relay systems. Watlow customers receive the highest level of service engineering, combined with exceptional customer service.

DIN-A-MITE products are available through our sales offices or visiting our website: www.watlow.com.

AN INNOVATIVE ALTERNATIVE TO INDUSTRY STANDARDS

EXTEND THE LIFE OF YOUR HEATERS

In this one package, you get:
• Simplicity; easy, fast installation
• Minimal preparation time—no component selection
• No need to buy separate parts—everything is already done for you
• Safety with a touch-safe exterior
• A more compact product than other solid state alternatives for space and cost savings

The DIN-A-MITE® family of power controllers from Watlow® includes SCR control, heat sink, wiring and a touch-safe exterior all in one package. By designing the DIN-A-MITE as a total unit, we’ve eliminated the need to prep wires for terminals, find the heat sink for rated amperage and determine adequate terminations. Watlow’s DIN-A-MITE is a complete package you can install and forget—everything is already done for you.

Fastest of all are solid state devices such as the DIN-A-MITE configured with variable time base. Switching as fast as three ac wave cycles (less than 0.1 seconds), set point deviation is virtually eliminated, giving the finest control, lowest power consumption, and longest element life.

Since all components are selected and assembled for you, installation is simple and easy, saving time and money. All you have to do is strip wires and connect. You’ve never installed a power controller easier, or faster.

• No drill and tap necessary
• Back panel or DIN-rail mounted
• Simple, safe wiring
• Similar footprint as MDRs for fast, efficient retrofits

The DIN-A-MITE’s touch-safe exterior protects hands from electric shock. It’s completely safe to handle.

PROTECTION FOR YOUR SYSTEM

An optional variable time base switching, the DIN-A-MITE output automatically adjusts cycle time to meet the demands of the system. You’ll see benefits such as:
• Less power required by the thermal system
• Heater output equal to need

An innovative alternative to industry standards extend the life of your heaters.

REDUCE WEAR ON THERMAL SYSTEM

SYSTEM FAILURE PREVENTION

To ensure overall reliability and reduce fear of hot spots, we’ve eliminated wires and fasteners which could possibly break down and loosen, as with other power controllers. You get:
• Prevent heat buildup
• Improve reliability

Mechanical contactors suffer wide temperature deviations due to long cycle time. MDRs can be switched faster than contactors, but still deviate considerably from set point. DIN-A-MITEs eliminate deviation, providing optimum control and long heater life.

Zero cross switching produces minimal RFI (radio frequency interference) to help prevent electrical noise that could possibly interfere with other equipment in your system. This added protection for your entire thermal system provides you with less total system downtime and less maintenance for your system.

• Eliminate downtime
• Reduce system maintenance

The DIN-A-MITE meets high current application requirements, tolerates spikes and dissipates less power. When used properly, the DIN-A-MITE outlasts any other type of switch. There’s no limit on the number of cycles the DIN-A-MITE can handle.

The DIN-A-MITE’s touch-safe exterior protects hands from electric shock. It’s completely safe to handle.
**An Innovative Alternative To Industry Standards**

**TOTAL ENGINEERING PACKAGE**

- UL® and C-UL® listed
- 3-year warranty
- CE

With optional variable time base switching, the DIN-A-MITE output automatically adjusts cycle time to meet the demands of the system. You’ll see benefits such as:

- Less power required by the thermal system
- Heater output equal to need

A proven high current connection scheme ensures optimum electrical connection to prevent heat buildup, which could lead to system failure. To ensure overall reliability and reduce fear of hot spots, we’ve eliminated wires and fasteners which could possibly break down and loosen, as with other power controllers.

- Prevent heat buildup
- Improve reliability

Zero cross switching extends life of the power controller and heater by switching fast, and providing more accurate control of both the heater element and the process. With this improved control, you’ll also see an increase in parts produced and less scrap, for improved productivity and efficiency.

- Accurate control
- Improve productivity

Zero cross switching produces minimal RFI (radio frequency interference) to help prevent electrical noise that could possibly interfere with other equipment in your system. This added protection for your entire thermal system provides you with less total system downtime and less maintenance for your system.

- Eliminate downtime
- Reduce system maintenance

The DIN-A-MITE meets high current application requirements, tolerates spikes and dissipates less power. When used properly, the DIN-A-MITE outlasts any other type of switch. There’s no limit on the number of cycles the DIN-A-MITE can handle.

**THE DIN-A-MITE® family of power controllers from Watlow® includes SCR control, heat sink, wiring and a touch-safe exterior all in one package. By designing the DIN-A-MITE as a total unit, we’ve eliminated the need to prep wires for terminals, find the heat sink for rated amperage and determine adequate terminations. Watlow’s DIN-A-MITE is a complete package you can install and forget—all the components are in the box for you.

**SAFE TO HANDLE**

The DIN-A-MITE’s touch-safe exterior protects hands from electric shock. It’s completely safe to handle.

**REDUCE WEAR ON THERMAL SYSTEM**

**SYSTEM FAILURE PREVENTION**

- Fastest of all are solid state devices such as the DIN-A-MITE configured with variable time base. Switching as fast as three ac wave cycles (less than 0.1 seconds), set point deviation is virtually eliminated, giving the finest control, lowest power consumption, and longest element life.

- Accurate control
- Improve productivity

**RUGGED, BACK-TO-BACK SCR DESIGN ENSURES LONG TERM RELIABILITY**

**EXTEND THE LIFE OF YOUR HEATERS**

- EASY, FAST INSTALLATION

- No drill and tap necessary
- Back panel or DIN-rail mounted
- Simple, safe wiring
- Similar footprint as MDRs for fast, efficient retrofits

**REDUCE SET POINT DEVIATION CAUSED BY SWITCH TYPE**

- Mechanical contactors suffer wide deviations due to long cycle times—typically 30 seconds—needed to preserve life. Control is poor, heat is wasted, and excessive expansion and contraction of the heating elements shortens heater life. MDRs can be switched faster than contactors and will hold the heater closer to set point, but still suffer deviations.

- Fastest of all are solid state devices such as the DIN-A-MITE configured with variable time base. Switching as fast as three ac wave cycles (less than 0.1 seconds), set point deviation is virtually eliminated, giving the finest control, lowest power consumption, and longest element life.

- Accurate control
- Improve productivity

**PROTECTION FOR YOUR SYSTEM**

- Full vertical temperature protection to help prevent electrical edge file overload
- Pre-welded overcurrent protection for your system. Your whole system provides overload protection for your system.
- Fuse and overcurrent protection included

- Full vertical temperature protection to help prevent electrical edge file overload
- Pre-welded overcurrent protection for your system. Your whole system provides overload protection for your system.
- Fuse and overcurrent protection included

- Fastest of all are solid state devices such as the DIN-A-MITE configured with variable time base. Switching as fast as three ac wave cycles (less than 0.1 seconds), set point deviation is virtually eliminated, giving the finest control, lowest power consumption, and longest element life.

- Accurate control
- Improve productivity
Look inside pocket for complete technical specifications of Watlow’s DIN-A-MITE power controllers.

Built and backed by Watlow’s experience and dedication ensuring you...
Look inside pocket for complete technical specifications of Watlow’s DIN-A-MITE power controllers.

DIN-A-MITE Power Controllers

Watlow encourages you to consider the use of DIN-A-MITE semiconductor fusing (MDR) instead of mercury and receive a performance improvement. The DIN-A-MITE family of semiconductor displacement relays is an ideal replacement for MDRs. The DIN-A-MITEs fit in the same footprint as MDRs. So, if eliminating mercury is a concern, you can still keep the same size, amperage requirement, number of heaters and the process will go on much the same. MDRs are large, slow, and made of mercury. They are also obsolete. So, if you need to update your system, look at the cost of the footprint as MDRs. So, even if never having to update your system, MDRs have no future. Their disposal is fraught with dangers and damage to expensive ingots and chips. Even the slightest variation can cause significant damage to expensive ingots and chips. Watlow knows the importance of zero cross firing. These controllers improved heater life and process temperature control. Watlow’s 100 amp DIN-A-MITE SCR cabinet. The customer replaced all of the 100 amp mechanical contactors with the DIN-A-MITEs. Watlow’s SCR technology reduced downtime. The customer needed to rebuild an oven in less than a week and the existing cabinet to avoid the costs involved with increasing the size of the existing cabinet.

Watlow Electric Manufacturing Company (Watlow) designs and manufactures industrial heaters, temperature sensors, actuators, motor assemblies and components of the systems of a thermal system. Watlow is well known for its superior products, excellent service, ability to perform and deliver the optimum thermal solution for our customers’ equipment and processes. Watlow manufactures thermal systems for a broad range of industries and applications. Watlow’s commitment to developing, manufacturing and delivering superior thermal systems for a broad range of industries including but not limited to: semiconductor processing, aerospace, analytical instrumentation, medical devices, pharmaceutical, packaging equipment and plastics processing. Watlow customers receive the highest level of technical engineering and support. Since 1922, Watlow has grown in product capability, market experience and global reach. We hold more than 175 patents and employ 2,000 employees working in 13 manufacturing facilities in the United States, Mexico, and Argentina. Watlow customers receive the highest level of technical engineering and support. Watlow’s thermal solutions for your company.

For more information about Watlow and how we can provide thermal solutions for your company, call Watlow at 1 . 800 . WATLOW2 or visit our web site: www.watlow.com

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• Semiconductor
• Plastics
• Petrochemical
• Packaging
• Ovens/Furnaces
• Food Equipment
• Life science/medical

Watlow Products and Technical Support Delivered Worldwide

About Watlow

Watlow Electric Manufacturing Company, Watlow’s mission and commitment to delivering exceptional customer service and support. Watlow offers superior products, excellent service, ability to perform and deliver the optimum thermal solution for our customers’ equipment and services for their individual needs.

Watlow Electric Manufacturing Company (Watlow)

Watlow to recommend, develop and deliver the optimum thermal solution for our customers’ equipment.


[Image 1917x1 to 2538x810]
Compact Solid State Power Controller Delivers Big Performance

The Watlow® DIN-A-MITE® Style A power controller provides a low-cost, highly compact and versatile solid state option for controlling electric heat. You also get all the quality you expect from a Watlow designed and manufactured product. DIN-rail and back panel mounting is standard on every controller. There is no need to worry about mercury, the DIN-A-MITE controller is mercury free.

Capabilities include single-phase zero cross switching up to 25 amps at 600V~(ac) (see rating curve). A unique integrated design removes the guesswork associated with selecting a proper heat sink and adequate terminations for the application.

Variable time base, 4-20mA process control or V(=ac/dc) input contactor versions are available. All configurations are model number dependent and factory selectable. This power controller also includes 200KA short circuit current rating (SCCR) tested up to 480V~(ac) to prevent arc flash with required fusing.

The DIN-A-MITE power controller is made in the United States.

Watlow® and DIN-A-MITE® are registered trademarks of Watlow Electric Manufacturing Company.

UL® and C-UL® are registered trademarks of the Underwriter's Laboratories, Inc.

Your Authorized Watlow Distributor Is:

© 2005, 2008 Watlow Electric Manufacturing Company all rights reserved.
Specifications

Operator Interface
- Command signal input
- Input indicator light LED

Amperage
- Single phase, see the output rating curve
- Max. I’t for fusing: 4000A^2/sec
- Latching current: 200mA
- Holding current: 100mA
- Power dissipation is 1.2 watts per amp switched
- 200KA SCCR, Type 1 and 2 approved with the recommended fusing; see user manual.

Line Voltage
- 20 to 660V-~(ac) model number dependent; see ordering information
- Off-state leakage: 1mA at 77°F (25°C) max.
- 50/60Hz independent

Control Mode-Zero Cross
- Input control signal Type C: V=(dc) input contactor
- Input control signal Type K: V-=(ac) input contactor
- To increase service life on contactor input models, the cycle time should be less than three seconds
- Input Control Signal Type F: 4 to 20mA=(dc) proportional variable time base control; 3 cycles on, 3 cycles off at 50% power

Input Command Signal
- AC contactor
  24V-~(ac) ±10%, 120V-~(ac) +10/-25%, 240V-~(ac) +10/-25% @ 25mA max. per controlled leg
- DC Contactar
  4.5V= to 32V=(dc): max. current @ 4.5 V=(dc) is 8mA per leg
  - Loop powered linear current
  4mA= to 20mA=(dc): loop-powered, input Type F0 option only (requires current source with 6.2V=(dc) available, no more than three DIN-A-MITE inputs can be connected in series)

Agency Approvals
- UL® 508-listed and C-UL® File E73741
- CE with proper filter:
  89/336/EEC Electromagnetic Compatibility Directive
  73/23/EEC Low Voltage Directive
  EN 61326 Industrial Immunity Cass A Emissions
  EN 50178 Safety Requirements

Input Terminals
- Compression: will accept 0.2 to 2 mm² (24 to 14 AWG) wire

Line and Load Terminals
- Compression: will accept 0.8 to 8.4 mm² (18 to 8 AWG) wire

Operating Environment
- Up to 176°F (80°C); see the output rating curve chart for your application
- 0 to 90% RH (relative humidity), non-condensing
- Installation only tested to 3,000 meters
- Units are suitable for “Pollution degree 2”

Mounting
- Options include DIN-rail or standard back panel mounting
- The DIN-rail specification is: DIN EN 50022, 35 mm by 7.5 mm
- Mount the cooling fins vertically

Dimensions
- Height: 3.7 in. (95 mm) high x 1.8 in. (45 mm) wide x 3.9 in. (98 mm) deep
- Weight: 0.71 lb (0.32kg)

Specifications are subject to change without notice.

To be automatically connected to the nearest North American Technical Sales Office:
1-800-WATLOW2 • www.watlow.com • info@watlow.com

International Technical Sales Offices: Australia, +61-3-9335-6449 • China, +86-21-6106-1425 • France, +33 1 3073-2425 • Germany, +49 (0) 7253-9400-0 • Italy, +39 (0) 2 458-8841 • Japan, +81-3-3518-6630 • Korea, +82-2-2628-5770 • Malaysia, +60-3-8076-8741 • Mexico, +52 (442) 217-6235 • Singapore, +65-6773-9488 • Spain, +34 91 675 1292 • Sweden, +46 35-27-1166 • Taiwan, +886-7-288-5168 • United Kingdom, +44 (0) 115-964-0777

Cooper Bussmann® is a registered trademark of Cooper Bussmann, Inc.
Single- and Three-Phase Power in a Compact and Safe Package

The Watlow® DIN-A-MITE® Style B power controller provides a low-cost, highly compact and versatile solid state option for controlling electric heat. You also get all the quality you expect from a Watlow designed and manufactured product. DIN-rail and back panel mounting are standard on every control. There is no need to worry about mercury, the DIN-A-MITE controller is mercury free.

Capabilities include single-phase and three-phase zero cross switching up to 40 and 22 amps, respectively, at 600V~(ac) (see rating curve). A unique, integrated design removes the guesswork associated with selecting a proper heat sink and adequate terminations for the application.

Variable time base, 4-20mA process control or V=V(=ac/dc) input contactor versions are available. A shorted Silicon Controlled Rectifier (SCR) alarm option is also available. All configurations are model number dependent and factory selectable. This power controller also includes 200KA short circuit current rating (SCCR) tested up to 480V~(ac) to prevent arc flash with required fusing.

The DIN-A-MITE power controller is made in the United States.

Your Authorized Watlow Distributor Is:

Features and Benefits

200KA Short Circuit Current Rating (SCCR)
- Prevents arc flash

DIN-rail or standard panel mount
- Versatile, quick and low-cost installation

Compact size
- Reduces panel space; less cost

Touch-safe terminals
- Increases safety for installer/user

Single- and three-phase power
- Permits use in a variety of applications

No mercury
- Environmentally safe product

Faster switching with solid state
- Saves energy and extends heater life

UL® 508 listed, C-UL® and CE with filter
- Meets applications requiring agency approval

Back-to-back SCR design
- Insures a rugged design

Shorted output alarm (optional)
- Notifies you in case of a shorted SCR

Watlow® and DIN-A-MITE® are registered trademarks of Watlow Electric Manufacturing Company.
UL® and C-UL® are registered trademarks of the Underwriter's Laboratories, Inc.

To be automatically connected to the nearest North American Technical Sales Office:
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Specifications

Operator Interface
- Command signal input and indication light
- Alarm output and indication light

Amperage Rating
- UL® 508 listed and C-UL® File E73741
- CE with proper filter:

Agency Approvals
- Compression: will accept 0.2 to 2 mm² (24 to 14 AWG) wire

Input Terminals
- AC contactor
- Input Command Signal
  - (dc) proportional variable
  - Type F: 4 to 20mA
  - Type K: V~(ac) input contactor
  - Type C: V, Control Mode, Zero-Cross

Input Control Signal
- 20 to 660V~(ac) model number dependent; see ordering information
- Input control signal Type C: 4.5 to 32V=(dc) input contactor
- Input Control Signal Type F: 4 to 20mA=(dc) proportional variable
- Input Control Signal Type K: V~(ac) input contactor

Line and Load Voltage
- Alarm
- Shorted SCR Alarm Option

Operator Interface
- Alarm state when the input command signal off and a 10A or more load current is detected by the current transformer (two turns required for 5A and three turns for 2.5A)

Alarm Output
- Energizes on alarm, non-latching
- Triac 24 to 240V=(ac), external supply with a current rating of 300mA @ 77°F (25°C), 200mA @ 122°F (50°C), 100mA @ 176°F (80°C) and a holding current of 200 µA with a latching current of 5mA typical

Agency Approvals
- CE with proper filter:
  - EN 61326: Industrial Immunity Class A emissions
  - EN 50178 Safety Requirements

Installation category III, pollution degree 2
- Optional semiconductor fuse and fuse holders

Recommended Semiconductor Fuse and Fuse Holders
- Fuse Rating Watlow Cooper Bussmann® Ferraz Shawmut
- Fuse Holder Part Number

Output Rating Curve

Ordering Information
To order, complete the code number on the right with the information below.

DIN-A-MITE Style B = Solid State Power Controller

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cooling and Current Rating Per Pole</th>
<th>User Manual</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0 = No alarm</td>
<td>0 = English</td>
</tr>
<tr>
<td>1</td>
<td>S = Shorted SCR alarm</td>
<td>1 = German</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>2 = Spanish</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>3 = French</td>
</tr>
</tbody>
</table>

Custom Part Numbers
- 00 = Standard part
- XX = Any letter or number, custom options, labeling, etc.

Fuse Rating Number
- Fuse Rating Watlow Cooper Bussmann® Ferraz Shawmut

Fuse Holder Part Number
- Fuse Part Number

Current Rating Table

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cooling</th>
<th>Current at 122°F (50°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<td>35A</td>
</tr>
<tr>
<td>2, 8</td>
<td>0</td>
<td>25A</td>
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<tr>
<td>3, 9</td>
<td>0</td>
<td>17A</td>
</tr>
</tbody>
</table>

Cooper Bussman® is a registered trademark of Cooper Bussman, Inc.
The Watlow® DIN-A-MITE® Style C SCR power controller provides you with a low cost, compact and versatile solid state option for controlling electric heat. You also get all the quality you expect from a Watlow designed and manufactured product. DIN-rail and standard panel mounting plus a cabinet thru-wall mount version is available.

Basic features include single-phase, three-phase/two leg, and three-phase/three leg, 24-600V~(ac) operation. Current switching capabilities range from 30 to 80A depending on the model ordered.

Variable time base, linear voltage and current process control or \( V_{\text{ac/dc}} \) contactor versions are available. Also single-phase, phase angle firing and current limiting are available. All configurations are model dependent and factory selectable. This power controller also includes 200KA short circuit current rating (SCCR) tested up to 480V~(ac) to prevent arc flash with required fusing.

The DIN-A-MITE power controller is made in the United States.
Specifications

Operator Interface
• Command signal input and indication light
• Alarm output and indication light
• Current limit indication LED

Amperage Rating
• See output rating curves on page 3
• Max. surge current for 16.6ms, 1,350A peak
• Max. I^2 t for fusing is 9,100A^2s
• Latching current: 200mA min.
• Holding current: 100mA min.
• Fan current: 0.14A for 24V (dc); 0.12A for 120V (ac);
  0.06A for 240V (ac)
• Off-state leakage 1mA at 77°F (25°C) max.
• Power dissipation: 1 watt per amp per leg switched

Line Voltage
• 24 to 48V (ac) units: 20.4V (ac) min. to 53V (ac) max.
• 100 to 240V (ac) units: 48V (ac) min. to 265V (ac) max.
• 277 to 600V (ac) units: 85V (ac) min. to 660V (ac) max.
• 100 to 120V (ac), 200 to 208V (ac), 230 to 240V (ac),
  277V (ac), 400V (ac), 480V (ac), 600V (ac),
  +10/-15%, 50 to 60Hz independent
  ±5% (Input control signal Type L, P and S)

Alarms (zero cross models only)
Shorted SCR Alarm Option
• Alarm state when the input command signal is off and
  a 10A or more load current is detected by the current
  transformer (two turns required for 5A or three turns
  for 2.5A)

Open Heater Alarm Option (Input Control Signal Type S only)
• Alarm state when the input command signal is on and
  the load current detected by the current transformer is
  20% less than customer adjusted set point

Alarm output
• Energizes on alarm, non-latching
• Triac 24 to 240V (ac), external supply with a current
  rating of 300mA @ 77°F (25°C), 200mA @ 122°F
  (50°C), 100mA @ 176°F (80°C) and a holding current
  of 200 µA with a latching current of 5mA typical

Agency Approvals
• CE with proper filter:
  89/336/EEC Electromagnetic Compatibility Directive
  EN 61326: Industrial Immunity Class A emissions not
  suitable for Class B environments
  73/23/EEC Low Voltage Directive EN 50178 Safety
  Requirements Installation category III, Pollution degree 2
  Phase angle and phase angle with current limit input
  control signal Types (P and L) are not CE approved
• UL® 50 Type 4X Enclosure and UL® 1604 File E184390
  (ANSI/ISA 12.12.01)
  (Thru-wall heat sink mounting only)
• UL® 508 listed and C-UL® File E73741
• Shock and vibration tested to IEC 60068-2-32
• Vibration tested to IEC 60068-2-6

Input Terminals
• Compression: will accept 0.2 to 1.5 mm² (24 to 16 AWG)
  wire
• Torque to 0.5 Nm (4.4 in. lb) max. with a ½ in. (3.5 mm)
  blade screwdriver

Line and Load Terminals
• Compression: will accept 2 to 21 mm² (14 to 4 AWG) wire
• Torque to 2.7 Nm (24 in. lb) max. with a ¾ in. (6.4 mm)
  blade screwdriver, or a type 1A, #2 Pozi driver

Operating Environment
• See the output rating curve chart on page 3
• 0 to 90% RH (relative humidity), non-condensing
• Storage temperature: -40 to 185°F (-40 to +85°C)
• Insulation only tested to 3,000 meters

DIN-Rail Mount
• DIN EN 50022, 35 mm by 7.5 mm

Back Panel Mount
• Four mounting holes M3 to M4 (No. 6 to No. 8) fastener

Through-Wall Mount
• See page 4 for thru-wall panel cutout
  Note: Mount cooling fins vertically

Additional Specifications for Contactors and Proportional Controllers
Control Mode, Zero-Cross
• Input control signal Type C: V= (dc) input contactor
• Input control signal Type K: V= (ac) input contactor
• To increase service life on contactor input models the
  cycle time should be less than three seconds
• Input control signal Type F: 4 to 20mA= (dc) proportional
  variable time base control

Input Command Signal
• AC contactor
  24V= (ac) ±10%, 120V= (ac) +10/-25%, 240V= (ac)
  +10/-25% @ 25mA max. per controlled leg
• DC contactor
  4.5 to 32V= (dc): max. current @ 4.5V= (dc) is
  6mA per leg. Add 2mA per LED used to the total current
• Loop powered linear current
  4 to 20mA= (dc): loop-powered, input Type F0 option only,
  no more than three inputs connected in series. See
  page 5 for detail operation.
Additional Specifications for Phase Angle, Phase Angle Current Limit and Single Cycle VTB

Operation
- Burst firing (zero-cross) control, single-cycle variable time base, Type S single phase and 3-phase. Unit is not on for more than one full cycle under 50% power and not off for more than one full cycle above 50% power
- Phase angle control, single-phase only

Input Command Signal
- 0 to 20mA, 4 to 20mA, 0 to 5V=(dc), 1 to 5V=(dc) and 0 to 10V=(dc)
- Input impedance 250Ω for 4mA to 20mA, 5kΩ for linear voltage input

Output Voltage
- 100 to 120V~(ac), 200 to 208V~(ac), 230 to 240V~(ac), 277V~(ac), 400V~(ac), 480V~(ac) and 600V~(ac), ±10%

Linearity (Input Control Signal Type S)
- ±5% input to output power over 0 to 100% of span between calibration points

Linearity (Phase Angle Input Control Type P and L)
- ±5% input to output power, as referenced to a sinusoidal power curve, between calibration points

Resolution
- Better than 0.1% of input span with respect to output change

Soft Start (Phase Angle Input Control Signal Type P and L)
Typically:
- 5 seconds soft start on power up
- Soft start on thermostat overtemperature
- Soft start on ½ cycle drop out detection
- 1 second soft start on set point change

Options
- Manual Control Kit (1kΩ potentiometer) 08-5362
- Alarm option is not available on phase angle Input Control Signal Type P or L

Specifications are subject to change without notice.
**With Cooling Fan**

**Side**

4 in. (102 mm) Clearance for Air Flow and Wire Bending Radius

Front Panel is Touch-Safe, No Clearance is Required

4 in. (102 mm) min.

4 in. (102 mm) Clearance for Air Flow and Wire Bending Radius

**Thru-Wall Style C**

**Front**

4 in. (102 mm) Min. Clearance for Air Flow (Top and Bottom)

M5 (0.8 by 10 mm) (8)

M5 Internal Tooth Lock Washer (8) Included

2.25 in. (57 mm) (Any Gauge)

2.17 in. (55 mm) (12 Gauge)

7 in. (178 mm)

0.4 in. (10 mm) Min. Clearance for Air Flow (Both Sides)

**Top**

4.55 in. (114 mm)

2.5 in. (27 mm) (Any Gauge)

Sheet Metal (12 GA)

Front Panel is Touch-Safe, No Clearance is Required

**Panel Cutout**

Drill 0.228 in. (5.8 mm) (8)

0.375 in. (9.5 mm) Reference

0.425 in. (10.8 mm)

**With the potential for high thru-wall heat sink temperatures, application may require a touch-safe shield.**
Extended Heater And Power Controller Life With Variable Time Base

With variable time base control, the power controller automatically adjusts the time base and output power with respect to process input. Accelerated life testing verified that variable time base control significantly reduces expansion and contraction of the heater element. This extends heater and power controller life while improving process temperature control. You save money on heaters, downtime and maintenance.

Loop Powered or Transformer Powered

Loop Powered

By using a temperature control 4-20mA process output signal as the power supply for the DIN-A-MITE input the cost of the power control can be reduced. With zero cross (burst fired) the 4-20mA input signal simultaneously performs the tasks of providing a power supply and an input command signal. The DIN-A-MITE “F0” input control signal is a loop powered option and will work as single- or three-phase. It works only with a 4-20mA input.

Transformer Powered

Some DIN-A-MITE models require that an on-board power supply be used to power the internal electronics. Phase angle options require that we detect the zero cross of the ac sine wave and thus a transformer is required also. The DIN-A-MITE input control signal types “L”, “P” and “S” are transformer powered and can be controlled manually (open loop) with a potentiometer input or in the auto mode (close loop) with a temperature control using any of the 4-20mA, linear voltage (0-5, 1-5 and 0-10 V=dc) input types.

Loop Powered 4-20mA Variable Time Base

Models: DC_ _-[02, 24, 60] [F0]- _ _ _

20% Power Output

3~ cycles on, 12~ cycles off

50% Power Output

3~ cycles on, 3~ cycles off

80% Power Output

12~ cycles on, 3~ cycles off

Phase Angle

Phase angle (input control type “P”) phase control is infinitely variable inside the sine wave. This provides a variable voltage and/or current output. This option includes soft start and line voltage compensation. This is transformer powered and therefore will work with a linear voltage, current input or a potentiometer input. This is single-phase only.

Single Cycle Variable Time Base

Models: DC_ _-[L, P] 0 - 0_ _ _

25% Power Output

1~ line cycle on, 3 ~ cycles off

50% Power Output

1~ line cycle on, 1 ~ cycle off

With single-cycle variable time base (VTBS) control, at 50% power, power is on one cycle and off one cycle. At 25%, it is on for one cycle and off for three. Under 50%, the unit is not on for more than one consecutive cycle. Over 50%, the unit is not off for more than one consecutive cycle. This model will work with a linear voltage input, a 4 to 20mA input or a potentiometer input.

Recommended Semiconductor Fuse for Applications Through 600V~(ac)

<table>
<thead>
<tr>
<th>Fuse Rating</th>
<th>Watlow</th>
<th>Cooper Bussman®</th>
<th>Ferraz Shawmut</th>
</tr>
</thead>
<tbody>
<tr>
<td>40A</td>
<td>17-8040</td>
<td>FWP-40A14F</td>
<td>A093909</td>
</tr>
<tr>
<td>50A</td>
<td>17-8050</td>
<td>FWP-50A14F</td>
<td>B093910</td>
</tr>
<tr>
<td>63A</td>
<td>17-8063</td>
<td>FWP-63A22F</td>
<td>T094823</td>
</tr>
<tr>
<td>80A</td>
<td>17-8080</td>
<td>FWP-80A22F</td>
<td>A094829</td>
</tr>
<tr>
<td>100A</td>
<td>17-8100</td>
<td>FWP-100A22F</td>
<td>Y094827</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fuse Holder Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>40A</td>
</tr>
<tr>
<td>50A</td>
</tr>
<tr>
<td>63A</td>
</tr>
<tr>
<td>80A</td>
</tr>
<tr>
<td>100A</td>
</tr>
</tbody>
</table>

Cooper Bussman® is a registered trademark of Cooper Bussman, Inc.
Ordering Information

To order, complete the code number on the right with the information below:

**Style C** = Solid-State Power Controller

**Phase**
1 = 1-phase, 1 controlled leg
2 = 3-phase, 2 controlled legs
3 = 3-phase, 3 controlled legs, (use with four wire wye)
8 = 2 independent zones (Input Type C, K)
9 = 3 independent zones (Input Type C, K)

**Cooling and Current Rating Per Leg** (see chart below)
0 = Natural convection standard DIN-rail or panel heat sink
1 = Fan cooled 120V-~(ac) standard DIN-rail or panel heat sink
2 = Fan cooled 240V-~(ac) standard DIN-rail or panel heat sink.
3 = Fan cooled 24V-~(dc) standard DIN-rail or panel heat sink.
T = Natural convection through wall or cabinet heat sink (NEMA 4X)

**Line and Load Voltage**
02 = 24 to 48V-~(ac) (control C, F, K)
12 = 100 to 120V-~(ac) (control L, P, S)
20 = 200 to 208V-~(ac) (control L, P, S)
24 = 100 to 240V-~(ac) (control F, K): 230 to 240V-~(ac) (control L, P, S)
27 = 277V-~(ac) (control L, P, S)
40 = 400V-~(ac) (control L, P, S)
48 = 480V-~(ac) (control L, P, S)
60 = 277 to 600V-~(ac) (control C, F, K): 600V-~(ac) (control L, P, S)

**Input Control Signal**
C0 = 4.5 to 32V=~(dc) contactor
F0 = 4 to 20mA=~(dc) proportional
K1 = 22 to 26V-~(ac) contactor
K2 = 100 to 120V-~(ac) contactor
K3 = 200 to 240V-~(ac) contactor
L (0 to 5) = Phase angle with current limiting\(^{\dagger}\) (single-phase only)
P (0 to 5) = Phase angle\(^{\dagger}\) (single-phase only)
S (0 to 5) = Single cycle variable time base
  0 = 4 to 20mA
  1 = 12 to 20mA (for input control signal option S only)
  2 = 0 to 20mA
  3 = 0 to 5V=~(dc) proportional
  4 = 1 to 5V=~(dc) proportional
  5 = 0 to 10V=~(dc) proportional

**Alarm**
0 = No alarm
S = Shorted SCR alarm (zero cross models only)
H = Open-heater and shorted-SCR alarm (for input control signal Option S)

**Language**
0 = English
1 = German
2 = Spanish
3 = French

**Custom Part Numbers**
00 = Standard part
1X = 1-second soft start (control option P, L)
XX = Any letter or number, custom options, labeling, etc.

\(^{\dagger}\) Not CE Approved for conducted or radiated emissions.

*DIN-A-MITE C Current Rating Table*

<table>
<thead>
<tr>
<th>Phase</th>
<th>Cooling</th>
<th>Current at 50°C (122°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>55A</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>60A</td>
</tr>
<tr>
<td>1</td>
<td>(1, 2, 3)</td>
<td>75A</td>
</tr>
<tr>
<td>2, 8</td>
<td>0</td>
<td>40A</td>
</tr>
<tr>
<td>2, 8</td>
<td>1</td>
<td>46A</td>
</tr>
<tr>
<td>2, 8</td>
<td>(1, 2, 3)</td>
<td>65A</td>
</tr>
<tr>
<td>3</td>
<td>0</td>
<td>30A</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>35A</td>
</tr>
<tr>
<td>3, 9</td>
<td>(1, 2, 3)</td>
<td>55A</td>
</tr>
</tbody>
</table>

Your Authorized Watlow Distributor Is:
The Watlow® DIN-A-MITE® Style D Silicon Controlled Rectifier (SCR) power controller provides you with an inexpensive, versatile product for controlling heat in an efficient package. You also get all the quality you expect from a Watlow designed and manufactured product. The standard back panel mounting footprint is equal to that of an industry standard mercury displacement relay. There is no need to worry about mercury, the DIN-A-MITE controller is mercury free.

The DIN-A-MITE Style D is capable of zero cross switching up to 100 amps single-phase, at 600V~(ac) at 86°F (30°C), depending on the model selected. Combined with the input of two or three controllers and you can control three-phase. It is totally touch-safe and includes standard back panel mounting, on-board semiconductor fuses (accessible from the front) and a current transformer option for external load current monitoring. An optional “shorted SCR detector” feature is available on some models. This model is UL® 508 and C-UL® and CE approved. These agency approvals are ideal for those panel builders that require agency approvals on their panels and cabinets.

Variable time base, 4-20mA process control, or V=(ac/dc) input contactor options are available. All configurations are model number dependent and factory selectable. This power controller also includes 200KA short circuit current rating (SCCR) tested up to 480V~(ac) to prevent arc flash with required fusing.

The DIN-A-MITE Style D power controller is made in the United States.

Features and Benefits

200KA Short Circuit Current Rating (SCCR)
- Prevents arc flash

Standard panel mount
- Provides same mount as industry standard 100A MDR

Compact size
- Reduces panel space; less cost

Touch-safe terminals
- Increases safety for installer/user

No mercury
- Environmentally safe product

Faster switching with solid state
- Saves energy and extends heater life

UL® 508 listed, C-UL® and CE with filter
- Meets applications requiring agency approval

Back-to-back SCR design
- Insures a rugged design

On-board semiconductor fusing
- Provides quick access with no extra mounting necessary

Watlow® and DIN-A-MITE® are registered trademarks of Watlow Electric Manufacturing Company.
UL® and C-UL® are registered trademarks of the Underwriter’s Laboratories, Inc.
Specifications

Amperage
- See the Output Rating Curve chart below
- Max. surge current for 16.6ms, 1,800A peak
- Latching current: 500mA min.
- Holding current: 200mA min.
- Power dissipation is 1.4 watts per amp switched including on-board fusing
- 200KA SCCR, Type 1 and 2 approved with the recommended fusing; see user manual

Line Voltage
- 24 to 48 V=-(ac) units: 20 min. to 53V=-(ac) max.
- 100 to 240 V=-(ac) units: 48 min. to 265V=-(ac) max.
- 277 to 480 V=-(ac) units: 85 min. to 528V=-(ac) max.
- 277 to 600 V=-(ac) units: 85 min. to 660V=-(ac) max.
- 50/60Hz independent +/-5%

Control Mode, Zero Cross
- Input control signal Type C: V=-(dc) input contactor
- Input control signal Type K: V=-(ac) input contactor
- To increase service life, the cycle time should be less than three seconds
- Input control signal Type F: 4 to 20mA=-(dc) variable time base control

Input Command Signal
- AC contactor, 24V=-(ac) ±10%, 120V=-(ac) +10/-25%, 240V=-(ac) +10/-25% @ 25 mA max. per controlled leg
- DC Contactor, 4.5 to 32 V=-(dc): max. current @ 4.5V=-(dc) is 8mA per leg
- Loop powered linear current 4 to 20mA=-(dc), input Type F0 option only, no more than three DIN-A-MITE inputs connected in series

Alarm
- Shorted SCR Alarm Option
- Alarm state when the input command signal off and a 15A or more load current is detected by the current transformer

Alarm Output
- Energizes on alarm, non-latching
- Triac 24 to 240V=-(ac) external supply with a current rating of 300mA @ 77°F (25°C)

Current Sensing
- On-board current transformer (CT), typically 0.2 V=-(ac) output signal per ampere sensed into 1,000Ω per leg

Agency Approvals
- CE with proper filter:
  89/336/EEC Electromagnetic Compatibility Directive
  EN 61326: Industrial Immunity Class A Emissions
  Not suitable for Class B emissions environment
  73/23/EEC Low Voltage Directive
  EN 50178 Safety Requirements
- UL® 508-listed and C-UL® File E73741

Input Terminals
- Compression: will accept 0.13 to 3.3 mm² (26 to 12 AWG) wire
- Line and Load Terminals: will accept 13.3 to 33.6 mm² (6 to 2 AWG) wire

Operating Environment
- Operating temperature range: 32 to 185°F (0 to 85°C)
- 0 to 90% RH (relative humidity), non-condensing
- Vibration: 2 g, 10Hz to 150Hz, applied in any one of three axes
- Storage temperature: -40°F to 185°F (-40 to 85°C)
- Insulation tested to 3,000 meters
- Installation Category III, pollution degree 2

Mounting
- Back panel mounting; fits the same mounting pattern as a 100A, single-phase mercury displacement relay
- On-board semiconductor fusing

Dimensions
- Height: 7.25 in. (185 mm) high x 2.5 in. (65 mm) wide x 9.4 in. (240 mm) deep
- Weight: 6.5 lb (2.95kg)

Specifications are subject to change without notice.

Ordering Information
To order, complete the model number on the right with the information below.

DIN-A-MITE Style D = Solid State Power Controller

Phase
1 = 1-phase, 1 controlled leg

Cooling and Current Rating
0 = Natural convection current rating 80A @ 122°F (50°C)
(Note: see the output rating curve for the current rating at other temperatures)

Line and Load Voltage
02 = 24 to 48V=-(ac)
24 = 100 to 240V=-(ac)
48 = 277 to 480V=-(ac)
60 = 277 to 600V=-(ac)

Input Control Signal
C0 = 4.5 to 32V=-(dc) contactor
F0 = 4 to 20mA=-(dc) proportional
K1 = 22 to 26V=-(ac) contactor
K2 = 100 to 120V=-(ac) contactor
K3 = 200 to 240V=-(ac) contactor

Current Sensing or Alarm
0 = No alarm
1 = Load current transformer
S = Shorted SCR alarm

User Manual Language
0 = English
1 = German
2 = Spanish
3 = French

Custom Options
00 = Standard parts

Recommended Semiconductor Fuse:
Watlow P/N: 0808-0096-0000
Cooper Bussmann® P/N: 170N3437

Output Rating Curve

DIN-A-MITE Style D Natural Convection Ratings at 100% On

To be automatically connected to the nearest North American Technical Sales Office:
1-800-WATLOW2 • www.watlow.com • info@watlow.com

International Technical Sales Offices: Australia, +61-3-9335-6449 • China, +86-21-6106-1425 • France, +33 1 3073-2425 • Germany, +49 (0) 7253-9400-0 • Italy, +39 (0) 2 458-8841 • Japan, +81-3-3518-6630 • Korea, +82-2-2628-5770 • Malaysia, +60-3-8076-8741 • Mexico, +52 (442) 217-6235 • Singapore, +65-6773-9488 • Spain, +34 91 675 1292 • Sweden, +46 35-27-1166 • Taiwan, +886-7-288-5168 • United Kingdom, +44 (0) 115-964-0777

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## The DIN-A-MITE® Family

<table>
<thead>
<tr>
<th>Feature</th>
<th>Style A</th>
<th>Style B</th>
<th>Style C</th>
<th>Style D</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1-Phase</strong></td>
<td>Up to 25A @ 600V-(ac)</td>
<td>Up to 40A @ 600V-(ac)</td>
<td>Up to 80A @ 600V-(ac)</td>
<td>Up to 100A @ 600V-(ac)</td>
</tr>
<tr>
<td><strong>3-Phase, 2 leg</strong></td>
<td>No</td>
<td>Up to 33A @ 600V-(ac)</td>
<td>Up to 80A @ 600V-(ac)</td>
<td>Gang 2 units</td>
</tr>
<tr>
<td><strong>3-Phase, 3 leg</strong></td>
<td>No</td>
<td>Up to 22A @ 600V-(ac)</td>
<td>Up to 70A @ 600V-(ac)</td>
<td>Gang 3 units</td>
</tr>
<tr>
<td><strong>200KA SCCR</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>V-(ac) and Vm(dc) - Burst Fire Contactor Input</strong></td>
<td>24, 120 &amp; 240V-(ac) 4.5-32V= (dc)</td>
<td>24, 120 &amp; 240V-(ac) 4.5-32V= (dc)</td>
<td>24, 120 &amp; 240V-(ac) 4.5-32V= (dc)</td>
<td>24, 120 &amp; 240V-(ac) 4.5-32V= (dc)</td>
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<tr>
<td><strong>Multizone V-(ac) &amp; Vm(dc) Input</strong></td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>4-20mA= (dc) Input - Variable Time Base Output</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Phase Angle Fire Output</strong></td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>Manual Control Via Potentiometer Input, or 0-5, 1-5 or 0-10V= (dc) Linear Voltage Input</strong></td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>Shorted SCR Alarm</strong></td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td><strong>Open Heater Alarm</strong></td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td><strong>Load Current Monitor CT</strong></td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
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<tr>
<td><strong>On Board Semiconductor Fusing</strong></td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>DIN-Rail Mount</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>Sub-Panel Mount</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td><strong>Cabinet Thru-Wall Heat Sink Mount UL® 50 and UL® 1604 (ANSI/ISA 12.12.01)</strong></td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td><strong>Electrically Touch-Safe Package</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Back-to-Back SCR Design</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>UL® 508 Listed/C-UL®/CE w/filter</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>3.7 H X 1.8 W X 3.9 in. D (95 X 45 X 98 mm)</td>
<td>3.7 H X 3.1 W X 4.9 in. D (95 X 80 X 124 mm)</td>
<td>6.0 H X 3.1 W X 5.7 in. D (150 X 80 X 146 mm)</td>
<td>7.25 H X 2.5 W X 9.4 in. D (185 X 65 X 240 mm)</td>
</tr>
<tr>
<td><strong>Controller Weight: lbs (kg)</strong></td>
<td>0.71 (0.32)</td>
<td>1.5 (0.68)</td>
<td>2.6 (1.18)</td>
<td>6.5 (2.95)</td>
</tr>
<tr>
<td><strong>Controller Weight w/fan: lbs (kg)</strong></td>
<td>N/A</td>
<td>3.2 (1.45)</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*Refer to curves on reverse side for specific ratings.

*Phase angle fire, is not CE approved.

*Will fit within the width dimension of most comparable MDRs.

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Amperage Curves

DIN-A-MITE A

DIN-A-MITE B

DIN-A-MITE C

DIN-A-MITE D
Look inside pocket for complete technical specifications of Watlow’s DIN-A-MITE power controllers.

Built and backed by Watlow’s experience and dedication ensuring you...