

Industrial Variable Speed VFD Controllers

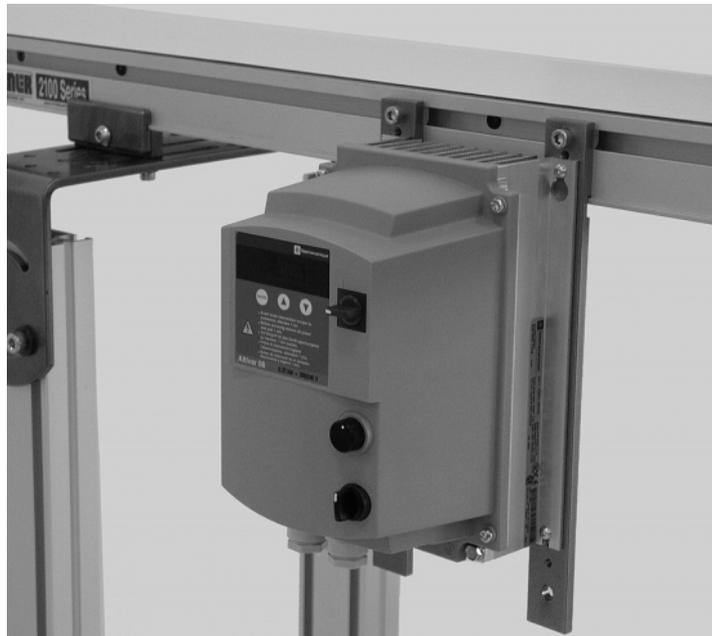


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Warnings – General Safety

	WARNING	
<p>The safety alert symbol, black triangle with white exclamation, is used to alert you to potential personal injury hazards.</p>		

	<p> DANGER</p> <p>Hazardous voltage will cause severe injury or death.</p> <p>LOCKOUT POWER BEFORE before wiring.</p>
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	<p> DANGER</p> <p>Climbing, sitting, walking or riding on conveyor will cause severe injury.</p> <p>KEEP OFF CONVEYORS.</p>
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	<p> WARNING</p> <p>Exposed moving parts can cause severe injury.</p> <p>DO NOT ATTEMPT ADJUSTMENTS WITH CONVEYOR RUNNING.</p>
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	<p> DANGER</p> <p>DO NOT OPERATE CONVEYORS IN AN EXPLOSIVE ENVIRONMENT.</p>
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	<p> WARNING</p> <p>Dorner cannot control the physical installation and application of conveyors. Taking protective measures is the responsibility of the user.</p> <p>When conveyors are used in conjunction with other equipment or as part of a multiple conveyor system, CHECK FOR POTENTIAL PINCH POINTS and other mechanical hazards before system start-up.</p>
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	WARNING	
<p>Controller must be properly grounded. Failure to properly ground controller may cause injury to personnel.</p>		

Introduction

IMPORTANT: Some illustrations may show guards removed. Do NOT operate equipment without guards.

Upon receipt of shipment:

- Compare shipment with packing slip. Contact factory regarding discrepancies.
- Inspect packages for shipping damage. Contact carrier regarding damage.

- Accessories may be shipped loose. See accessory instructions for installation.

Dorner conveyors are covered by the following patent numbers: 5131529, 5156260, 5156261, 5174435, 5203447, 5265714, 5875883, and corresponding patents and patent applications in other countries.

Dorner's Limited Warranty applies.

Dorner reserves the right to make changes at any time without notice or obligation.

Product Description

Dorner Variable Speed VFD Controllers (Figure 1) are AC motor speed controllers for Standard and Heavy Load VFD gearmotors.

NOTE: For additional information, refer to the Telemecanique Altivar 08 Series Installation and Operating Manual shipped with your controller.

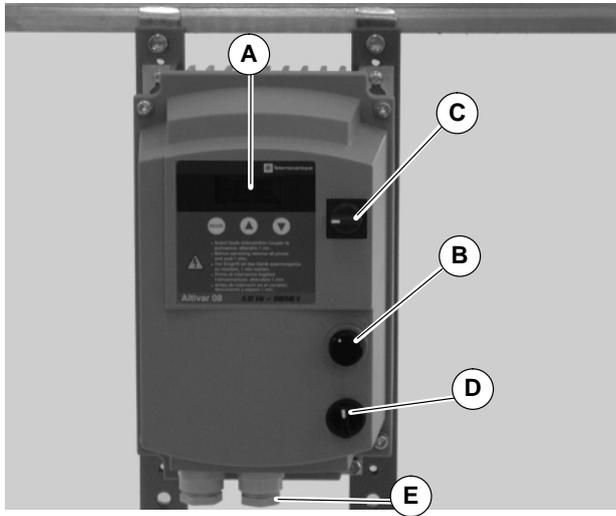


Illustration References	
A	Display
B	Increase / Decrease Speed Dial
C	On / Off Switch
D	Forward / Stop / Reverse Switch
E	Line Connection Cord Grip

Figure 1

Specifications

Dorner Model Number	Input Voltage & Phase	Output Voltage & Phase	Output Frequency	Maximum kW	Maximum Output in Amperes	Enclosures	Manufacturer's Model Number
62(c)V2122	230 Three Phase	230 Volts Three Phase	25 to 63Hz	.37	2.2	IP65	Altivar 08

(c) = Electrical Configuration

- F = French
- G = German
- U = English

Installation

Required Tools

- Hex key wrenches:
2.5mm, 5mm
- Wrenches
8mm, 10mm
- Torque wrench

Industrial Controller Mounting

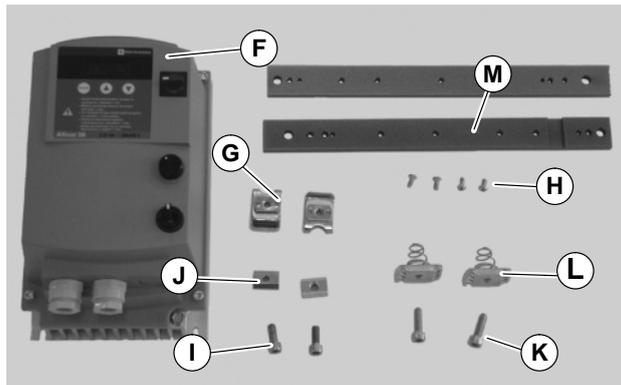


Figure 2

Installation Component List

- | | |
|---|---|
| F | Industrial VFD Controller |
| G | 6100 Series Accessory Mounting Clips (2x) (450186M) |
| H | Button Head Screws M4 x 8mm (4x) |
| I | Socket Head Screws M6 x 20mm (2x) |
| J | T-Bars (2x) (639971M) |
| K | Socket Head Screws M6 x 25mm (2x) |
| L | Spring Nut, M6 (2x) (990605M) |
| M | Controller Mounting Bar (2x) (300459M) |

2100, 2200 & 3100 Conveyor Mounting

1. Attach mounting bars (M of Figure 3) to controller (F) with screws (H).

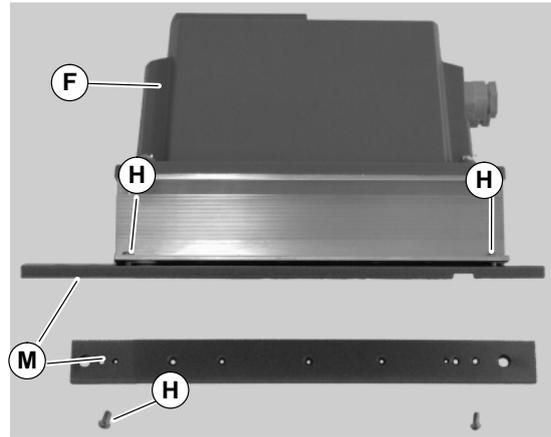


Figure 3

2. Install T-bars (J of Figure 4) in 2100 Series, 2200 Series or 3100 Series conveyor T-slots.



Figure 4

3. Attach controller (F of Figure 5) to conveyor with screws (I).

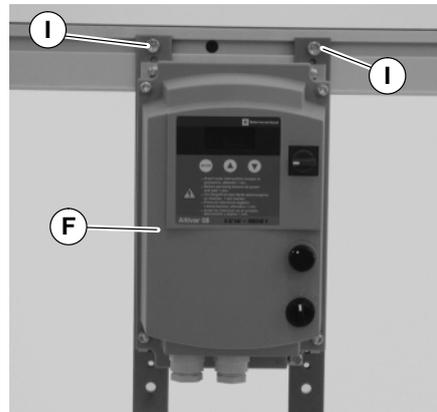


Figure 5

6100 Conveyor Mounting

1. Install mounting clips (G of Figure 6) on conveyor.



Figure 6

2. Attach mounting bars (M of Figure 7) to controller (F) with screws (H).

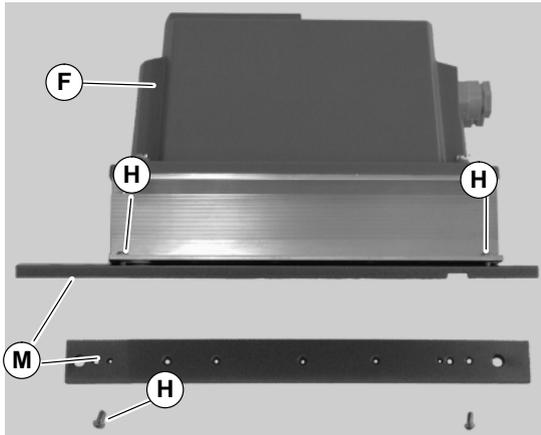


Figure 7

3. Attach controller (F of Figure 8) to conveyor with screws (I).

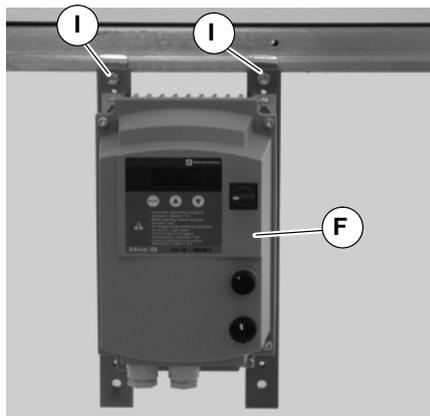


Figure 8

Aluminum Stand Leg Mounting

1. Install T-bar (J of Figure 9) into stand leg T-slot.

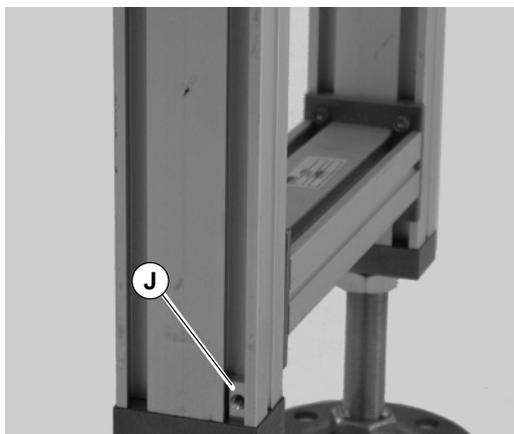


Figure 9

2. Loosely attach top hole of mounting bar (M of Figure 10) to T-bar with screw (I). Install second T-bar (J) into T-slot.

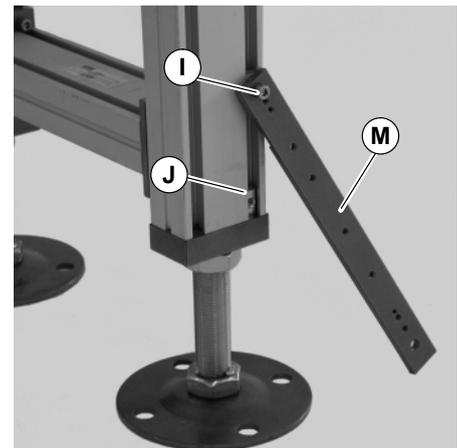


Figure 10

3. Attach mounting bar (M of Figure 11) to second T-bar (J) with screw (I). Slide mounting bar to its desired location and tighten screws (I).

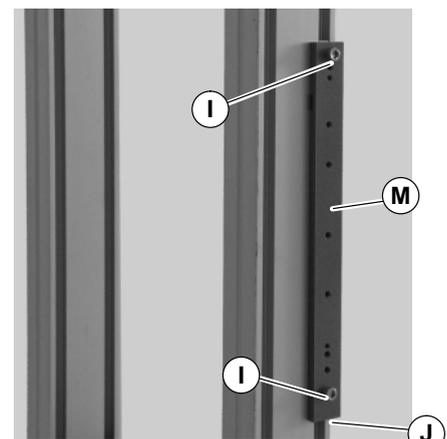


Figure 11

4. Attach controller (F of Figure 12) to mounting bar (M) with screws (H).

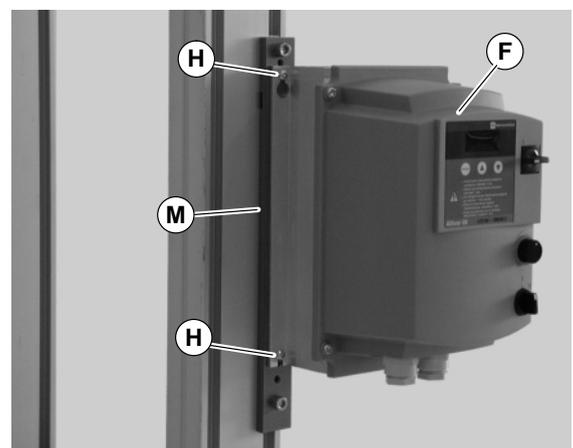


Figure 12

Installation

Steel Stand Leg Mounting

1. Install Spring Nuts (L of Figure 13) in steel stand leg.

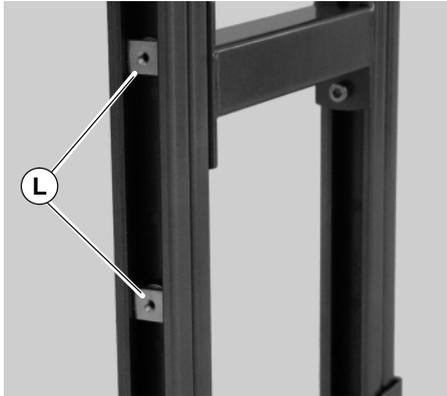


Figure 13

2. Attach mounting bar (M of Figure 14) to Spring Nuts (L) with screws (K). Slide mounting bar to its desired location and tighten screws (K).

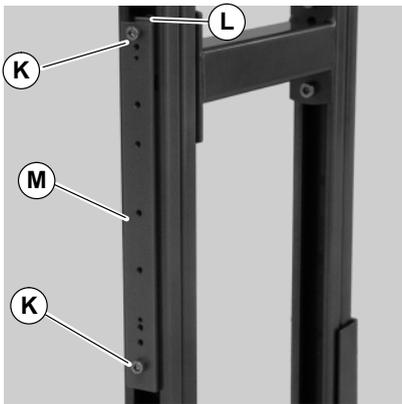


Figure 14

3. Attach controller (F of Figure 15) to mounting bar (M) with screws (H).

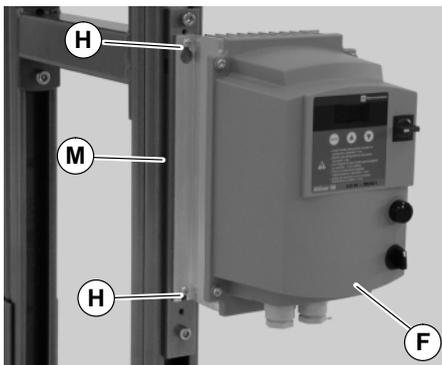


Figure 15

Wiring

	! DANGER
	Hazardous voltage will cause severe injury or death. LOCKOUT POWER BEFORE before wiring.

	! WARNING
	Exposed moving parts can cause severe injury. LOCK OUT POWER before removing guards or performing maintenance.

! WARNING !
Controller must be properly grounded. Failure to properly ground control box may cause injury to personnel.

NOTE: A circuit breaker or a disconnect switch with fuses must be provided in accordance with all local electrical codes.

Refer to the Telemecanique Altivar 08 Series Installation and Operating Manual shipped with your controller.

NOTE: For electrical wiring or troubleshooting, refer to information provided by controller manufacturer.

1. Make the input power connections through the line connection cord grip. Refer to the manufacturer's manual for terminations inside the VFD controller.

Preventive Maintenance and Adjustment

Required Tools

- Flat-blade screwdriver

Controller Setup

	⚠ DANGER Hazardous voltage will cause severe injury or death. LOCKOUT POWER BEFORE before wiring.
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	⚠ WARNING Exposed moving parts can cause severe injury. LOCK OUT POWER before removing guards or performing maintenance.
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NOTE: For additional information or desired settings other than listed, refer to the Telemecanique Altivar 08 Series Installation and Operating Manual shipped with your controller.

When purchased with a gearmotor, Dorner configures Variable Speed VFD Controllers as follows:

- 1 second acceleration time
- 1 second deceleration time
- Minimum frequency @ 25 Hz
- Maximum frequency @ 63 Hz
- Overloads set to motor Full Load Amperes (FLA)

Service Parts

NOTE: For replacement parts, refer to the Telemecanique Altivar 08 Series Installation and Operating Manual shipped with your controller.

Return Policy

No returns will be accepted without prior written factory authorization. When calling for authorization, please have the following information ready for the Dorner Factory representative or your local distributor:

1. Name and address of customer.
2. Item(s) being returned.
3. Reason for return.
4. Customer's original order number used when ordering the item(s).
5. Dorner or distributor invoice number.

A representative will discuss action to be taken on the Returned items and provide a Returned Goods Authorization Number to reference.

There will be a 15% restocking charge on all new items returned for credit where Dorner was not at fault. These will not be accepted after 60 days from original invoice date. The restocking charge covers inspection, cleaning, disassembly, and reissuing to inventory.

If a replacement is needed prior to evaluation of returned item, a purchase order must be issued. Credit (if any) is issued only after return and evaluation is complete.

Dorner has representatives throughout the world. Feel free to contact Dorner for the name of your local representative. Our technical sales and service staff will gladly help with your questions on Dorner products.

For a copy of Dorner's Limited Warranty, contact factory, distributor, service center or visit our website @ www.dorner.com

**For replacement parts, contact an authorized
Dorner Service Center or the factory.**

DORNER[®]

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