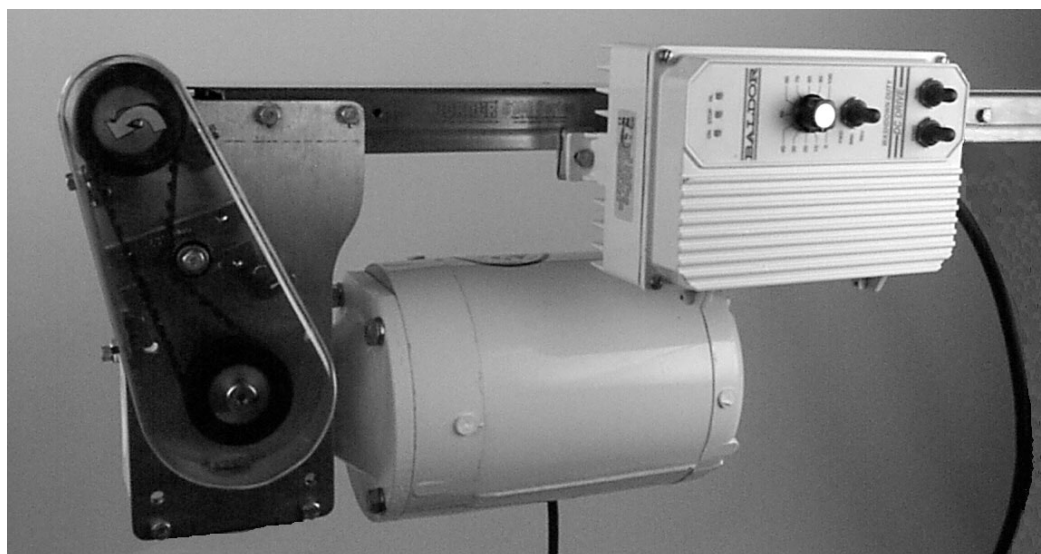




62MD1191S, Sanitary Variable Speed DC Controller

Set-up, Operation & Maintenance Manual



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Introduction

NOTE

All technical data in this publication is based on the product information available at time of printing. Dorner reserves the right to make changes at any time without notice or obligation to install those changes on units previously delivered.

Some illustrations in this manual may show guards or other protective devices open or removed. Under no circumstances should the equipment be operated without these devices securely in place.

Warnings - General Safety

WARNING

- The safety alert symbol, black triangle with white exclamation, is used to alert you to potential personal injury hazards.
- Controller must be properly grounded. Failure to properly ground controller may cause injury to personnel.
- If fuses need to be replaced, they must always conform to the values and ratings specified.
- **NEVER** operate equipment without guards or other protective devices properly secured in place. To prevent injury, make sure all electrical power sources have been disconnected and locked-out before you perform any maintenance, make any adjustments or replace any components, unless instructed otherwise.

Product Description

The Dorner 62MD1191S, Sanitary Variable Speed DC Controller (Figure 1) is a DC motor speed control for a Heavy Load Sanitary DC gearmotor.

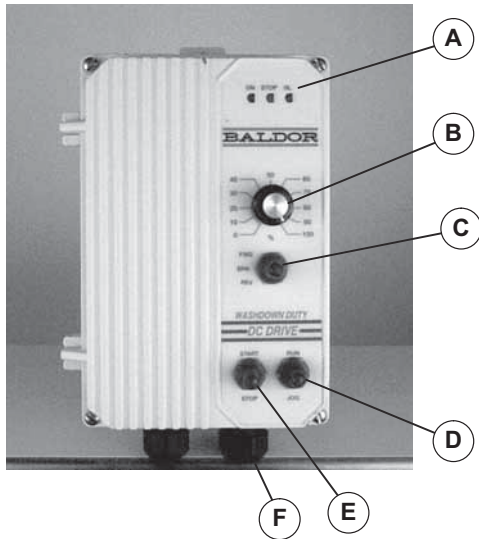


Figure 1

NOTE

For additional information, refer to the Baldor® Installation and Operating Manual for model BCWD140 shipped with your controller.

Illustration References:

- | | |
|---|--|
| A | “ON” = Power ON Indicator “STOP” = STOP switch Indicator “OL” = Motor Current OVERLOAD Indicator |
| B | Variable Speed Knob |
| C | “FWD-BRK-REV” (Forward-Brake-Reverse) Switch |
| D | “RUN-JOG” Switch |
| E | “START-STOP” Switch |
| F | Line Connection Cord Grip |
| G | L1 & L2 Line Connections |
| H | Ground Connection |
| I | Stainless Steel Mounting Clips (2x) |
| J | M6 x 16 mm Stainless Steel Hex Head Cap Screws (2x) |

Specifications

Description	1 Hp (0.75 kw) Maximum Variable Speed Controller
Enclosure	NEMA Type 4 (IP65)
Input Voltage & Current	115 volts A.C., Single Phase 60 Hz @ 15 Amperes
Output Voltage & Current	0 to 90 volts D.C., 10.2 Amperes

Installation

Dorner Mfg. Corp. makes every effort to properly package and ship its products. Upon receipt, inspect all packages for any shipping damage. Notify the carrier immediately, when problems are first discovered. Compare the shipment with the packing slip and contact the factory about any discrepancies (see back page for phone number).

Wiring

⚠ WARNING

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

1. Insert line cord through cord grip (Figure 2, item F). Terminate 115 volt, single phase line to L1 and L2 connection (G). Terminate ground to connection (H).

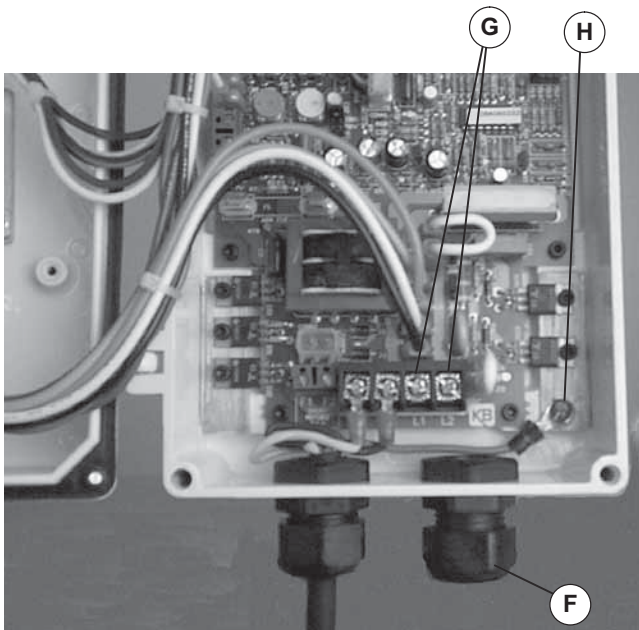


Figure 2

Mounting

1. Position clips (Figure 3, item I) as shown.

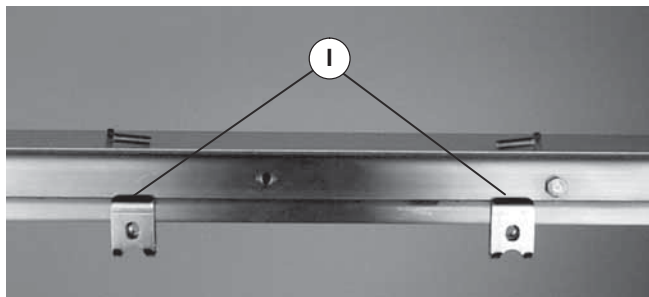


Figure 3

2. Secure controller to clips with M6 x 16 stainless steel hex head cap screws (Figure 4, item J) as shown.

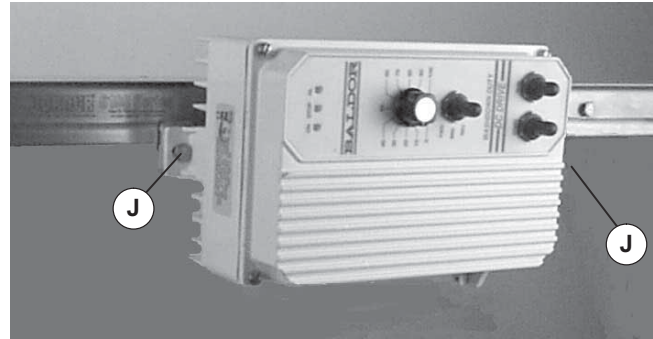


Figure 4

WARNING

To prevent injury, make sure all electrical power sources have been disconnected and locked-out before you perform any maintenance, make any adjustments or replace any components.

When purchased with a gearmotor, Dorner configures the 62MD1191S, Sanitary Variable Speed DC Controller as follows:

- Input voltage jumper to 115 VAC
- Output voltage jumper to 90 VDC
- Armature current jumper to 5 Amp for 1/3 Hp motor
- Armature current fuse is 5 amperes
- Acceleration trim pot is set for 1 second
- Deceleration trim pot is set for 1 second

NOTE

For additional information or desired settings other than listed, refer to the Baldor Installation and Operating Manual for the BCWD140 model shipped with your controller.

Return Policy

Returns must have prior written factory authorization or they will not be accepted. Items that are returned to Dorner without authorization will not be credited nor returned to the original sender. 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. Dorner part number(s) of 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 for reference.

There will be a return charge on all new undamaged items returned for credit where Dorner was not at fault. Dorner is not responsible for return freight on such items.

Conveyors and conveyor accessories	
Standard catalog conveyors	30%
MPB Series, cleated and specialty belt conveyors	50%
7400 & 7600 Series conveyors	non-returnable items
Engineered special products	case by case
Drives and accessories	30%
Sanitary stand supports	non-returnable items

Parts	
Standard stock parts	30%
MPB, cleated and specialty belts	non-returnable items

Returns will not be accepted after 60 days from original invoice date.

The return charge covers inspection, cleaning, disassembly, disposal and reissuing of components 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. Contact Dorner for the name of your local representative. Our Technical Sales, Catalog Sales and Service Teams will gladly help with your questions on Dorner products.

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

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



Dorner Mfg. Corp. reserves the right to change or discontinue products without notice. All products and services are covered in accordance with our standard warranty. All rights reserved. © Dorner Mfg. Corp. 2006

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