

Introduction

This instruction manual is related to installation, wiring using and maintenance of Contactor/Starter.

■ Warranty period and contents

This Magnetic Contactor warranty period is one year after bought. If the items is broken by our company's responsibility, we change broken parts or repair it for free.

Even during warranty period, fee occurs in case of following.

- (1) Failure by inappropriate handling, using, and remodeling or repair other than our company.
- (2) Failure which are cause by other than our products, for example, external factor by the broken majeure and natural disasters.

"Warranty" means about we guarantee our products. Other damage induced by the broken items, which is out of warranty for our company.

Notes of Safety

Before using this Contactor/Starter, you should first thoroughly read this manual, to understand appropriate usage and handling.

⚠ DANGER

- Don't touch or come near when turn ON the power. Can cause burns or electric shock.
- Inspect the energized parts of the main circuit regularly. Can cause burns or fire.
- Turn off power when maintenance. Can cause electric shock.

⚠ CAUTION

- At the time of Installation, line side of contactor install the line side up a vertical panel or wall where dust, moisture and vibration are small, and secure the space specified in the instruction manual. Can cause burns or fire.
- Use a wire size suitable for the applied voltage and energized current and tighten the wiring with the tightening torque specified in the instruction manual. Can cause fire.

1. Before installation

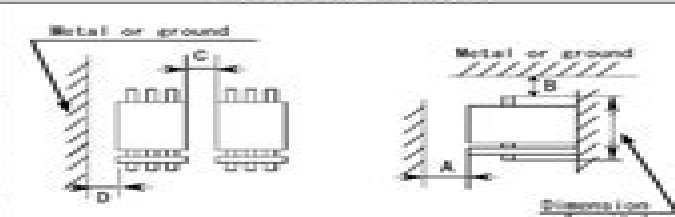
Before installation, be sure whether type, rated current, coil voltage and, frequency marked on the name plate is agreed with ordered specifications and whether there are no fallen off parts or any damaged portions.

2. Installation and wiring

At the time of installation, secure appropriate space shown by Table1.

Wiring must tighten appropriate tightening torque shown by Table2.

Table1. Clearance at installation

Frame		Clearance (minimum : mm)				Mounting space			
Contactor	Contactor Relay	A	B	C	D				
HC8M (-T)	XC4M	5	15	2	10				
HC10M (-T)									
HC8 (-T)	XC4	5	15	2	10				
HC10 (-T)									
HC20 (-T)									
HC35 (-T)									
HC55 (-T)		5	15	4	10				
Mounting unit of Thermal Relay (TRC□)		5	15	5	10				

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Don Debelak



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Official Gazette of the United States Patent and Trademark Office ,2001 **Three-Dimensional Electron Microscopy**
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,1983-10-17 For more than 40 years Computerworld has been the leading source of technology news and information for IT influencers worldwide Computerworld s award winning Web site Computerworld com twice monthly publication focused conference series and custom research form the hub of the world s largest global IT media network **Building Embedded Linux Systems** Karim Yaghmour,2003-04-22 Linux r is being adopted by an increasing number of embedded systems developers who have been won over by its sophisticated scheduling and networking its cost free license its open development model and the support offered by rich and powerful programming tools While there is a great deal of hype surrounding the use of Linux in embedded systems there is not a lot of practical information Building Embedded Linux Systems is the first in depth hard core guide to putting together an embedded system based on the Linux kernel This indispensable book features arcane and previously undocumented procedures for Building your own GNU development toolchain Using an efficient embedded development framework Selecting configuring building and installing a target specific kernel Creating a complete target root filesystem Setting up manipulating and using solid state storage devices Installing and configuring a bootloader for the target Cross compiling a slew of utilities and packages Debugging your embedded system using a plethora of tools and techniques Details are provided for various target architectures and hardware configurations including a thorough review of Linux s support for embedded hardware All explanations rely on the use of open source and free software packages By presenting how to build the operating system components from pristine sources and how to find more documentation or help this book greatly simplifies the task of keeping complete control over one s embedded operating system whether it be

for technical or sound financial reasons Author Karim Yaghmour a well known designer and speaker who is responsible for the Linux Trace Toolkit starts by discussing the strengths and weaknesses of Linux as an embedded operating system Licensing issues are included followed by a discussion of the basics of building embedded Linux systems The configuration setup and use of over forty different open source and free software packages commonly used in embedded Linux systems are also covered uClibc BusyBox U Boot OpenSSH tthttpd tftp strace and gdb are among the packages discussed Total Marketing Don Debelak,1989 **Hitachi Surface Mount Package User's Manual** Hitachi-Seisakusho (Tōkyō),1994

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A Text Book On Embedded System Design for Engineering Students Dr. Jaikaran Singh, Dr.

Raghavendra S., Mr. Santosh Kumar J., 2020-01-01 Embedded software is in almost every electronic device in use today There is software hidden away inside our watches DVD players mobile phones antilock brakes and even a few toasters The military uses embedded software to guide missiles detect enemy aircraft and pilot UAVs Communication satellites deep space probes and many medical instruments would ve been nearly impossible to create without it Someone has to write all that software and there are tens of thousands of electrical engineers computer scientists and other professionals who actually do

Miter Saw Fundamentals Rick Peters, 2006 Part of the Popular Mechanics Workshop this text covers the miter saw a must have on every job site Projects include a simple desk frame beveled tray and end table

Electronics Projects Vol. 18 EFY Enterprises Pvt Ltd, 2009-11

Usability of Electronic Household Appliances Tone Bergh, 2000

Audio Power Amplifier Design Douglas Self, 2013-07-04 This book is essential for audio power amplifier designers and engineers for one simple reason it enables you as a professional to develop reliable high performance circuits The Author Douglas Self covers the major issues of distortion and linearity power supplies overload DC protection and reactive loading He also tackles unusual forms of compensation and distortion produced by capacitors and fuses This completely updated fifth edition includes four NEW chapters including one on The XD Principle invented by the author and used by Cambridge Audio Crosstalk power amplifier input systems and microcontrollers in amplifiers are also now discussed in this fifth edition making this book a must have for audio power amplifier professionals and audiophiles

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