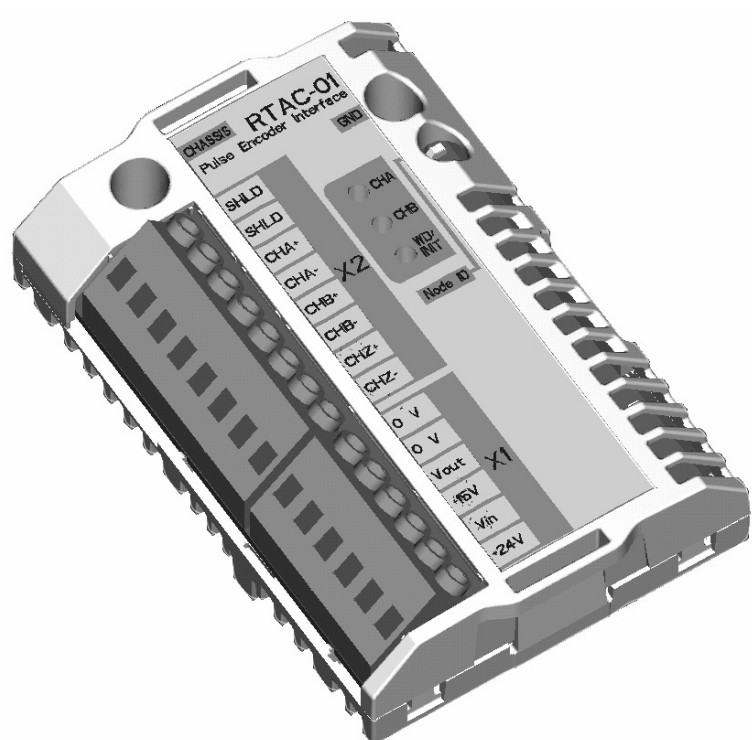


Pulse Encoder Interface Module
RTAC-01



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RTAC-01

User's Manual

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Safety instructions

Overview

This chapter states the general safety instructions that must be followed when installing and operating the RAIO-01 Analogue I/O Extension module.

The material in this chapter must be studied before attempting any work on, or with, the unit.

In addition to the safety instructions given below, read the complete safety instructions of the specific drive you are working on.

General safety instructions



WARNING! All electrical installation and maintenance work on the drive should be carried out by qualified electricians only.

The drive and adjoining equipment must be properly earthed.

Do not attempt any work on a powered drive. After switching off the mains, always allow the intermediate circuit capacitors 5 minutes to discharge before working on the frequency converter, the motor or the motor cable. It is good practice to check (with a voltage indicating instrument) that the drive is in fact discharged before beginning work.

The motor cable terminals of the drive are at a dangerously high voltage when mains power is applied, regardless of motor operation.

There can be dangerous voltages inside the drive from external control circuits even when the drive mains power is shut off. Exercise appropriate care when working on the unit. Neglecting these instructions can cause physical injury or death.

Safety instructions

Table of contents

Safety instructions

Overview	iii
General safety instructions.	iii

Table of contents

Chapter 1 – Introduction

Intended audience	1-1
Before you start	1-1
What this manual contains	1-2

Chapter 2 – Overview

Overview	2-1
The RTAC-01 module	2-1
Module layout	2-1
Delivery check	2-2
Compatibility	2-2
Warranty and liability information	2-2

Chapter 3 – Installation

Mounting	3-1
Terminal designations	3-2
Power consumption	3-3
Encoder wiring	3-5
Phasing.	3-6
Encoder output types	3-7
Wiring diagrams	3-8
Node address selection	3-12
Programming	3-12

Table of contents

Chapter 4 – Fault tracing

Diagnostic LEDs	4-1
Option slot installation	4-1
I/O Module Adapter installation	4-1

Appendix A – Technical data

Chapter 1 – Introduction

Intended audience

The manual is intended for the people who are responsible for commissioning and using an RTAC-01 Pulse Encoder Interface module with the ACS 800 drive. The reader is expected to have a basic knowledge of electrical fundamentals, electrical wiring practices and how to operate the drive.

Before you start

It is assumed that the drive is installed and ready to operate before starting the installation of the extension module.

In addition to conventional installation tools, have the drive manuals available during the installation as they contain important information not included in this manual. The drive manuals are referred to at various points of this document.

What this manual contains

This manual contains information on the wiring, configuration and use of the RTAC-01 module.

Safety instructions are featured in the first few pages of this manual.

Chapter 2 – Overview contains a short description of the RTAC-01 Pulse Encoder Interface module, a delivery checklist and warranty information.

Chapter 3 – Installation contains instructions for module hardware settings, mounting and cabling.

Chapter 4 – Fault tracing explains fault tracing and the LED indications of the RTAC-01 module.

Appendix A contains technical data.