Introduction

Intended audience

The manual is intended for the people who are responsible for commissioning and using the FEN-31 HTL Encoder Interface. The reader is expected to have 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 the drive power supply is switched off before starting the installation of the extension module. Ensure that all dangerous voltages connected from external control circuits to the inputs and outputs of the drive are switched off.

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 FEN-31 HTL Encoder Interface.

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

Overview contains a short description of FEN-31.

Installation contains instructions for hardware settings, mounting and cabling.

Fault tracing explains the LED indications of FEN-31.

Technical data contains detailed technical information.

Overview

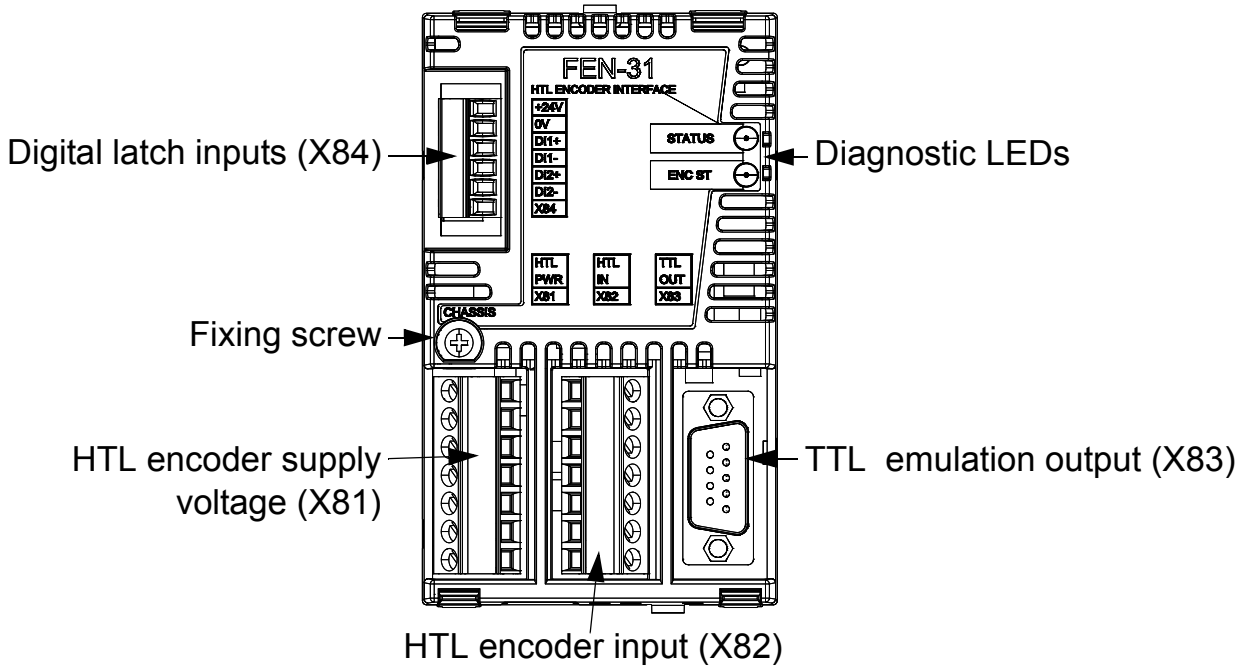
Overview

This chapter contains a short description of the FEN-31 HTL Encoder Interface.

FEN-31 HTL Encoder Interface

FEN-31 is an interface between the control board and an HTL encoder. It supports various types of HTL encoders. A PTC or KTY temperature sensor can be attached to one of the connections of the FEN-31 interface.

FEN-31 offers an RS-422-standard-compliant TTL encoder emulation output and two digital inputs. It also includes cable fault diagnostics for some HTL encoder types. See the drive *Firmware manual* for details.



FEN-31 layout