

# National Standard Number for Relay Protection



## Overview

The widely used United States standard ANSI/IEEE C37. 2 'Electrical Power System Device Function Numbers, Acronyms, and Contact Designations' deals with protective device function numbering and acronyms. Even in those parts of the world where IEC standards are predominate, the use of ANSI numbering. There are two methods for indicating protection relay functions in common use. These types of devices protect electrical systems and components from damage when an unwanted event occurs, such as an electrical. In electric power system s and industrial automation, ANSI Device Numbers can be used to identify equipment and devices in a system such as relay s, circuit breaker s, or instruments.



## Article Content

### Protection Relay

In the design of electrical power systems, the ANSI Standard Device Numbers denote what features a protective device supports (such as a relay or circuit breaker). These types of

[ANSI Codes for Protection Relays | PDF | Relay | Switch](#)

The ANSI has standardized codes for protective relay functions, with each function assigned a specific number. Some common codes include 50 for instantaneous

[Relay symbols and device numbers; selection from IEC 617-, IEEE](#)

[IEEE device numbers and functions](#) IEEE device numbers and functions for switchgear apparatus The devices in switching equipments are referred to by numbers, with appropriate suffix letters when

[Protection Relay | ANSI Codes Used In Relays](#)

[Protection Relay| ANSI Codes used in Relays](#) NUMERICAL RELAY/ PROTECTION RELAY/ ANSI CODES Relays, ANSI, IEEE International Codes | for Protection Relay | Equipment use in | electrical power Sub ...

[ANSI/IEEE Relay Protection Codes Guide](#)

This document lists standard device numbers for protective relays used in North America according to ANSI/IEEE Standard C37.2-2008. The numbers are used to refer to different types of relays, with the

[Table of ANSI IEEE Standard Device Numbers](#)

[ANSI Standard Device Numbers & Common Acronyms](#) ANSI Standard Device Numbers & Common Acronyms

[Protection Relay Code Overview | PDF | Relay](#)

This document discusses numerical codes and symbols used to define protection relays according to IEEE and IEC standards. It provides examples of common

[ANSI Standards](#)

ANSI stands for American National Standards Institute What is ANSI? In the design of electrical power systems, the ANSI standard device numbers

[Power System Protective Relays: Principles & Practices](#)

Abstract: Protective relays and devices have been developed over 100 years ago to provide “last line” of defense for the electrical systems. They are intended to quickly identify a fault and isolate it so the

## Standards for Line Protection | Delgado Relay Protection Reference

These standards outline the necessary specifications and methodologies for effective line protection schemes. In the IEEE realm, the standard IEEE C37.2, titled “Electrical Power System

### ANSI device numbers — Grokipedia

ANSI device numbers, formally defined in the IEEE Standard C37.2 (also known as ANSI/IEEE C37.2), constitute a standardized numbering system for identifying the functions of protective relays, control

### What Are ANSI Relay Numbers? The Complete C37.2

Understanding power system protection requires familiarity with ANSI standard relay numbers. These codes, detailed in the IEEE C37.2

### ANSI Standard Device Numbers & Common Acronyms

ANSI Standard Device Numbers & Common Acronyms ANSI Standard Device Numbers & Common Acronyms

### ANSI (IEEE) Protective Device Numbering

Protective relays are commonly referred to by standard device numbers. For example, a time overcurrent relay is designated a 51 device, while an instantaneous overcurrent is a 50 device.

### Decoding ANSI Codes for Protection Relays

The American National Standard Institute (ANSI) has developed a set of codes to standardize the function of protection relays. These codes are called

### Protection Relay – ANSI Standards

ANSI device numbers are used to identify the functions of medium voltage microprocessor devices. ANSI facilitates the development of American

### A Guide to ANSI/IEEE Function Numbers

According to the ANSI/IEEE standards, device function numbers are crucial identifiers in power system protection and control engineering. These

### Protection Relays Numbering (ANSI) | PDF

This document lists standard electrical power system device function numbers from ANSI C37.2. It includes 99 device functions numbered 1 through 99 with

### ANSI codes and IEC Relay Symbols – Electrical

To assist the Protection Engineer in converting from one system to the other, a select list of ANSI device numbers and their IEC equivalents are given in the

relay symbols and device numbers iiec37

2. time-delay starting or closing relay is a device that functions to give a desired amount - of time delay before or after any point of operation in a switching sequence or protective relay system, except as

IEC 60255 Protection Relay Standards

This document provides specifications for various protection relays and their functions. It outlines the thermal ratings and operating ranges for protection

IEC Relay Symbols and Functions Guide | PDF | Relay

This document provides symbols and designations for relay protection devices based on IEC 617 standards. It includes: 1) Block symbols and qualifying

Electrical System Protection Relay Selections IEEE ANSI Codes

Selecting the correct protection relays based on ANSI codes is critical for ensuring electrical system safety. Protection relays are responsible for detecting faults in the system and

IEC Standard For Protection Relays : Electrical

These standards aim to ensure uniformity and compatibility across different manufacturers and systems. IEC 60255 – The Foundation of Protection

ANSI/IEEE Relay Device Numbers List

This document lists standard device numbers for protective relays used in North America according to ANSI/IEEE Standard C37.2-2008. The numbers are used to refer to different types of relays with

ANSI device numbers explained

A suffix letter or number may be used with the device number; for example, suffix N is used if the device is connected to a Neutral wire (example: 59N in a relay is used for protection against Neutral

ANSI device numbers

In electric power systems and industrial automation, ANSI Device Numbers can be used to identify equipment and devices in a system such as relays, circuit breakers, or instruments. The device

ANSI Device Numbers for Relays | PDF | Relay | Switch

ANSI device numbers denote the functions of protective devices like relays and circuit breakers. These devices protect electrical systems from damage during

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