

What is the YX1 relay protection



Article Overview

The YX1 relay is a WiFi-enabled control relay designed for intelligent automation, providing remote and local switching control rather than traditional electrical fault protection.

Overview of YX1 Relay

The YX1 series is a smart relay module developed by VIOX for home automation and industrial control applications. It operates on 2.4GHz WiFi, allowing both local WLAN and remote app control. Users can manage devices via Android or iOS apps, and it is compatible with major voice assistants for hands-free operation. The module supports a 10A rated current, works in temperatures from -10°C to 60°C, and offers both built-in and external antenna options for reliable wireless communication. Key features include:

- Smart Config setup for quick network integration
- Dual control modes: local manual control and remote app/voice control
- Device sharing via intranet or cloud
- Low standby power consumption and secure communication This relay is primarily used for switching electrical loads in smart systems, such as lighting, motors, or other equipment, rather than for detecting electrical faults.

Relay Protection in Electrical Systems



Article Content

Types of Electrical Protection Relays or Protective Relays

□□ Key learnings: Protective Relay Definition: A protective relay is an automatic device that senses abnormal conditions

Protective Relay Fundamentals

Review What is the function of power system protection? Name two protective devices For what purpose is IEEE device 52 used?

Technical Explanation for Motor Protective Relay

Protecting the motor itself (burnout protection) Minimizing damage to the load connected to the motor (In this case, you must select a

Protection and Control Device Numbers and Functions

Description The protection and control devices in electrical equipment can be referred to by numbers, with appropriate suffix letters

Introduction to Protective Relaying | Electric Power Measurement and ...

Introduction to Protective Relaying What are Protective Relays, or Protection Relays? Protective relays are used in industrial power

INT69 motor protection relay from KRIWAN

Effective and reliable protection against thermal overload of electrical machines with the INT69 motor

Relays Part 4: The Protective Relay Basic Theory

The types of protective relays that exist are overcurrent, electromechanical, directional, distance, pilot, and differential

Power generator protection and control

Generators must be provided with protective relays which, in case of a fault, quickly initiate a disconnection of the machine from the

Protective Relays: Types, Working Principle & Uses

What Is a Protective Relay? A protective relay is a control and measurement device used in

Understanding Protective Relays in Power Systems

Protective relays are vital for safeguarding power systems, ensuring protection against faults and abnormalities. This

Self-powered Protection Relay

Option for flexible use of the FI (flag indicator) output of the WIC1, e. g. for measuring alarm times, or as a watchdog output (with

VIOX WiFi Intelligent Relay YX1011

VIOX's YX1 Series WiFi Control Relay Module offers advanced intelligent control for smart homes and industrial automation.

The art of fault clearance in transmission systems: The logic of ...

The Art of Fault Clearance Protection The protection and fault clearance requires great attention. In terms of fault

YX-X0001 DC 12V Battery Undervoltage Management Module

In this video, we unbox and showcase the YX-X0001 DC 12V Battery Undervoltage

Protective Relays and Monitoring Relays Selection Guide: Types ...

Protective relays and monitoring relays detect or monitor for abnormal power system conditions. Protective relays detect defective

Basic protection relay knowledge

On the other hand, unselective protection operation in the extra high voltage network – i.e. at the national grid level- may endanger

The Basics of Electrical Bus Protections

Overcurrent, Differential and Undervoltage When we examine electrical protection schemes, the best place to start is

What is Protection Relay?

What is Protection Relay? Protection relays have a crucial role in maintaining the safety, reliability, and integrity of

Protective Relays

Protect critical components in your power system with a wide range of SEL protective relays covering applications and use cases

What Is Undervoltage Protection? Settings, Types, & Coordination ...

In this technical guide, we will discuss everything you need to know about undervoltage protection, including its

The basics of power system protection that every

Introduction to relay protection Protection is the branch of electric power engineering

Protection relay selection table

High-impedance differential protection for phase C High-impedance/flux-balance based diff. protection for

Protection and Control Device Numbers and Functions

A device that functions to give a desired amount of time delay before or after any point of operation in a switching sequence or

Fundamentals of Modern Protective Relaying

A primary motor protective element of the motor protection relay is the thermal overload element and this is accomplished through

Basic protection relay knowledge

A fast and selective arc fault mitigation for air-insulated LV & MV switchgear and Relion protection and control relays and sensor

How to use Lockout Relay (master trip relay) in substation protection ...

Practical applications of lockout relays on mainstream switchgear and protection and adaptations in modern digital

SIPROTEC Protection Relays | Siemens

SIPROTEC: Multifunctional protection relays Experience the benchmark in grid protection, automation, and

Practical handbook for relay protection engineers | EEP

The relay must be able to discriminate (select) between those conditions for which prompt operation is required and

Protective relay

Electromechanical protective relays at a hydroelectric generating plant. The relays are in round glass cases. The rectangular devices

Protective relay basics | Eaton PSEC

Ellen discusses how protective relays work, types of protective relays, and how protective

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.e-motional.eu>

Email: info@e-motional.eu

Phone: +49-30-657-8924

Address: Friedrichstraße 101, 10117 Berlin, Germany

This document is for informational purposes only. Specifications subject to change without notice.

