

Wiring of Distribution Box 316



At Overview

The Videx 316C distribution box is wired using RJ-45 connections for power (+ & -), bus (L & -), and video (V1 & V2) lines, supporting up to four VX2200 videophone outputs.

Overview The Videx 316C is a 4-way distribution box designed for the VX2200 6-wire bus video system. It allows installers to connect multiple videophones using CAT5 cables with RJ-45 connectors. The box distributes:

- Power: +20V DC (+ and - terminals)
- Bus signals: L and - (2-wire bus)
- Video signals: V1 and V2 (balanced video)

It also includes LED indicators for power and bus presence, and a video line termination switch for end-of-line devices.

Wiring Steps

Power Connection Connect the +20V DC power supply to the + and - terminals on the distribution box. Ensure the power LED illuminates to confirm proper voltage.

Bus Wiring (L & -) Connect the L and - bus lines from the master door unit or previous distribution point to the BUS IN terminals. Use the BUS OUT terminals to daisy-chain to additional distribution boxes or videophones. The bus LED will indicate when voltage is present on the 2-wire bus.

Video Signal Wiring (V1 & V2) Connect the V1 and V2 lines to the corresponding RJ-45 sockets for each videophone output. If the distribution box is at the end of the line, enable the video termination switch to prevent signal reflection.

CAT5 Cable Connections Use CAT5 cables with male RJ-45 connectors to plug into the female RJ-45 sockets on the distribution box. Ensure proper pin alignment according to the VX2200 wiring standard.

Distance Considerations Maximum cable length from the distribution box to a videophone is 40 meters for a single line, or 50 meters if combining A+B lines.

Safety and Verification Always turn off the main power before wiring to prevent electric shock. Securely mount the distribution box at an accessible location. After wiring, use a multimeter to verify voltage and continuity. Check that all LEDs indicate proper operation: power, bus, and video termination.

Additional Tips Label each cable for easy identification. Avoid running CAT5 cables near high-voltage lines to reduce i...

Article Content

Passive distribution box with M12 slots and master cable

Passive distribution boxes with M12 slots and fixed installed master cable in a fully sealed housing for a structured wiring of sensors and actuators

DIY Wiring a Consumer Unit and Installation

/ Consumer Unit Background Wiring a Distribution Board is vital in any electrical installation. All the electrical sub circuits are originated from a

Distribution Box Wiring Steps

Wiring Direction: Wiring between the main circuit breaker and each branch circuit breaker in the box generally goes on the left, and the wiring out of

How to Install a Cable Distribution Box Safely and

In modern electrical systems, cable distribution boxes (also known as electrical distribution boxes or distribution boxes) play a crucial role as the key

Requirements And Specifications For Installation Of Distribution Boxes ...

The installation requirements and specifications of Distribution box involve many aspects, including site selection, fixing method, wiring specifications and sa

Distribution panel wiring diagram | DB panel wiring method /

Welcome to our channel! In this video, we'll guide you through the complete wiring diagram of a distribution panel. Whether you're a professional electrician or a DIY enthusiast, this step-by ...

VIDEX 316C INSTALLATION INSTRUCTIONS MANUAL Pdf

View and Download Videx 316C installation instructions manual online. VX2200 - RJ-45 A/V distribution box. 316C power distribution unit pdf manual download.

The installation requirements for the distribution box

Learn how to install a distribution box safely and correctly. Covers wiring, placement, standards, and expert tips for a compliant setup.

Distribution Boxes Explained: Types, Functions, and

Learn about distribution boxes, their types, functions, and safety features to ensure efficient and secure electrical power distribution in any building.

How to Install a Cable Distribution Box Safely and

Reliable cable distribution boxes ensure safe, efficient power management for residential, commercial, and industrial systems. Learn

Electrical Distribution Box Diagrams

This document provides a list of components in an electrical distribution box with their names and associated wiring diagrams. It includes tables of diodes, fuses,

Distribution Box and Selection Guide: Internal Structure,

Learn how to choose a distribution box and understand its internal structure, including MCBs, busbars, neutral bars, earth bars, RCDs, RCBOs,

on video How to Wire a Home Distribution Box

How to Wire a Home Distribution Box - Step-by-Step | Distribution DB box wiring diagram Welcome to our channel! In this video, we'll walk you through

JB Junction box 316 stainless steel

The JB enclosure offers protection for dense wiring and sensitive small instruments. These hinged cover junction boxes combine the advantages

How to Wire a Home Distribution Box

The above mentioned electrical wiring accessories and protective devices are used to control and distribute electric supply (safely to connected

stainless steel distribution board

The stainless steel enclosure box is a wall-mounting distribution board. The panel board is designed and assembled to achieve multiple control functions. The

Wiring diagram of electrical distribution box

You can see the wiring diagram of single phase distribution box from main meter to DB and other sub-circuit in the below figure. You have to connect MCB, RCD, and SP or DP as per your

How to wire a DB - Distribution Board Wiring -

Through the MCB phase lines are distributed to electrical wiring for lighting, fixed devices, and power distribution points. This type of arrangement is

Home Distribution Box (DB) Wiring Diagram | DB box connection

In this video, I'll show you the complete wiring diagram of a home distribution board (DB). You'll learn how to connect the main circuit breaker (MCB), residual current device (RCD), and ...

Accessories ENG Art. 316C VX2200

ith RJ-45 connections for the VX2200 6 wire bus video system. It distributes the power (+ & -), the bus (L & -) and the video (V1 & V2) . rom the main bus to 4 apartment outputs with RJ-45 connector. The

DIY Wiring a Consumer Unit and Installation

Here we are considering a Distribution Board with MCBs [Miniature Circuit Breakers] for power distribution. Installation work described here is according to British

How to Install a Distribution Box—A Comprehensive

What is a Distribution Box? First of all, you need to have a simple understanding of the definition of a distribution box, and make it clear which kind

Single Phase Distribution Box (DB) Wiring Diagram and Connection

Hey, in this article we are going to see the Single Phase Distribution Box Wiring Diagram and Connection Procedure. A distribution board or distribution box is where the main power supply is

Chapter SPS 316

Note: Under s. 101.80 (1m), Stats., “electrical wiring” means all equipment, wiring, material, fittings, devices, appliances, fixtures, and apparatus used for the production, modification, regulation, control,

Distribution db box wiring diagram

Video Link: • Video Keyword: Distribution db box wiring diagram single pole mcb connection mcb fitting in box mcb box connection 3 pole mcb connection 4 pole changeover switch wiring single ...

Contact Us

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