

# VON DUPRIN 9947 INSTALLATION INSTRUCTIONS

**VON DUPRIN 9947 INSTALLATION INSTRUCTIONS** PROVIDE ESSENTIAL GUIDANCE FOR CORRECTLY INSTALLING THE VON DUPRIN 9947 EXIT DEVICE, A POPULAR CHOICE FOR COMMERCIAL AND INSTITUTIONAL DOORS REQUIRING SECURE AND RELIABLE EXIT SOLUTIONS. THIS ARTICLE DELIVERS A COMPREHENSIVE OVERVIEW OF THE INSTALLATION PROCESS, HIGHLIGHTING KEY STEPS, NECESSARY TOOLS, AND IMPORTANT SAFETY CONSIDERATIONS. PROPER ADHERENCE TO THESE INSTRUCTIONS ENSURES OPTIMAL PERFORMANCE, COMPLIANCE WITH SAFETY STANDARDS, AND LONGEVITY OF THE HARDWARE. DETAILED ATTENTION TO MOUNTING, ALIGNMENT, AND WIRING IS CRUCIAL FOR THE VON DUPRIN 9947, KNOWN FOR ITS DURABILITY AND EFFICIENCY IN EMERGENCY EXIT APPLICATIONS. THIS GUIDE ALSO ADDRESSES TROUBLESHOOTING TIPS AND MAINTENANCE RECOMMENDATIONS TO KEEP THE DEVICE FUNCTIONING FLAWLESSLY. THE FOLLOWING SECTIONS WILL COVER PREPARATION, MECHANICAL INSTALLATION, ELECTRICAL CONNECTIONS, AND FINAL ADJUSTMENTS FOR A SUCCESSFUL INSTALLATION.

- PREPARATION AND TOOLS REQUIRED
- MECHANICAL INSTALLATION OF VON DUPRIN 9947
- ELECTRICAL WIRING AND CONNECTIONS
- TESTING AND ADJUSTMENTS
- MAINTENANCE AND TROUBLESHOOTING

## PREPARATION AND TOOLS REQUIRED

PROPER PREPARATION IS THE FOUNDATION FOR A SMOOTH AND ACCURATE INSTALLATION OF THE VON DUPRIN 9947 EXIT DEVICE. BEFORE BEGINNING THE INSTALLATION PROCESS, IT IS CRITICAL TO GATHER ALL NECESSARY TOOLS, REVIEW THE HARDWARE COMPONENTS, AND UNDERSTAND THE DOOR SPECIFICATIONS TO ENSURE COMPATIBILITY. THE VON DUPRIN 9947 IS DESIGNED FOR USE ON A WIDE RANGE OF DOOR TYPES, BUT CONFIRMING MEASUREMENTS AND DOOR TYPE WILL PREVENT INSTALLATION ERRORS.

## REQUIRED TOOLS AND MATERIALS

THE FOLLOWING TOOLS AND MATERIALS ARE TYPICALLY REQUIRED FOR THE VON DUPRIN 9947 INSTALLATION:

- PHILLIPS AND FLATHEAD SCREWDRIVERS
- DRILL WITH APPROPRIATE BITS
- MEASURING TAPE OR RULER
- LEVEL AND SQUARE
- WIRE STRIPPERS AND CUTTERS
- MULTIMETER FOR ELECTRICAL TESTING
- PENCIL OR MARKER FOR LAYOUT MARKING
- MOUNTING SCREWS SUPPLIED WITH THE HARDWARE

HAVING THESE TOOLS READY HELPS TO STREAMLINE THE INSTALLATION AND REDUCE DOWNTIME.

## PRE-INSTALLATION DOOR ASSESSMENT

BEFORE BEGINNING INSTALLATION, INSPECT THE DOOR AND FRAME TO CONFIRM THAT THEY MEET THE SPECIFICATIONS FOR THE VON DUPRIN 9947. CHECK DOOR THICKNESS, MATERIAL, AND FRAME TYPE TO ENSURE COMPATIBILITY. DOORS TYPICALLY SHOULD BE HOLLOW METAL OR WOOD WITH A THICKNESS RANGING BETWEEN 1 3/4 INCHES TO 2 1/4 INCHES. ADDITIONALLY, VERIFY THAT THE DOOR SWINGS AND OPENINGS CONFORM TO THE REQUIREMENTS FOR CORRECT DEVICE PLACEMENT AND FUNCTION.

## MECHANICAL INSTALLATION OF VON DUPRIN 9947

THE MECHANICAL INSTALLATION OF THE VON DUPRIN 9947 IS A CRITICAL STAGE THAT INVOLVES MOUNTING THE EXIT DEVICE BODY, THE LATCH MECHANISM, AND THE TRIM OR PUSH BAR. PROPER ALIGNMENT AND SECURE ATTACHMENT ARE NECESSARY TO GUARANTEE EFFECTIVE OPERATION AND COMPLIANCE WITH FIRE AND SAFETY CODES.

### MOUNTING THE EXIT DEVICE

BEGIN BY POSITIONING THE EXIT DEVICE ON THE DOOR AT THE STANDARDIZED HEIGHT, USUALLY 40 INCHES FROM THE FINISHED FLOOR TO THE CENTER OF THE DEVICE. USE THE MOUNTING TEMPLATE PROVIDED BY VON DUPRIN TO MARK SCREW HOLES AND CUTOUTS ACCURATELY. DRILL PILOT HOLES AS INDICATED TO PREVENT WOOD SPLITTING OR METAL DEFORMATION. ATTACH THE MAIN BODY OF THE EXIT DEVICE SECURELY USING THE SUPPLIED SCREWS, ENSURING IT SITS FLUSH AND LEVEL ON THE DOOR SURFACE.

### INSTALLING THE LATCH AND STRIKE

THE LATCH ASSEMBLY MUST ALIGN PRECISELY WITH THE STRIKE PLATE INSTALLED ON THE DOOR FRAME. MARK THE STRIKE LOCATION ACCORDING TO THE LATCH THROW DIMENSIONS. CHISEL OR MACHINE THE DOOR FRAME TO ACCOMMODATE THE STRIKE PLATE SO IT SITS FLUSH WITH THE SURFACE. SECURE THE STRIKE PLATE WITH SCREWS AND VERIFY THAT THE LATCH ENGAGES SMOOTHLY WITHOUT BINDING. ADJUSTMENTS TO THE STRIKE PLATE POSITION MAY BE NECESSARY TO ACHIEVE OPTIMAL LATCH OPERATION.

### ATTACHING THE PUSH BAR OR TRIM

ATTACH THE PUSH BAR OR TRIM HARDWARE TO THE EXIT DEVICE BODY USING THE PROVIDED FASTENERS. THE PUSH BAR SHOULD OPERATE SMOOTHLY AND RETURN TO ITS RESTING POSITION WITHOUT RESISTANCE. CONFIRM THAT THE DEVICE'S INTERNAL MECHANISMS ENGAGE CORRECTLY WHEN THE BAR IS DEPRESSED, TRIGGERING THE LATCH TO RETRACT AND ALLOWING THE DOOR TO OPEN.

## ELECTRICAL WIRING AND CONNECTIONS

FOR VON DUPRIN 9947 MODELS EQUIPPED WITH ELECTRIC LATCH RETRACTION OR MONITORING FEATURES, PROPER ELECTRICAL WIRING IS ESSENTIAL. FOLLOWING THE MANUFACTURER'S WIRING DIAGRAM AND LOCAL ELECTRICAL CODES WILL ENSURE SAFE AND RELIABLE OPERATION OF THESE FUNCTIONS.

### WIRING PREPARATION

BEFORE CONNECTING WIRES, TURN OFF ALL POWER SOURCES TO PREVENT ELECTRICAL SHOCK OR DAMAGE TO THE DEVICE. IDENTIFY ALL WIRING COMPONENTS, INCLUDING POWER SUPPLY CABLES, CONTROL PANEL CONNECTIONS, AND MONITORING CIRCUITS. STRIP THE WIRES TO THE APPROPRIATE LENGTH AND USE WIRE CONNECTORS OR TERMINAL SCREWS AS SPECIFIED BY THE INSTRUCTIONS.

## CONNECTING ELECTRIC LATCH RETRACTION

ELECTRIC LATCH RETRACTION REQUIRES WIRING THE DEVICE TO A CONTROL SYSTEM THAT CAN SUPPLY THE CORRECT VOLTAGE AND SIGNAL. CONNECT THE POWER AND SIGNAL WIRES TO THE DESIGNATED TERMINALS ON THE EXIT DEVICE, ENSURING POLARITY AND CONNECTION POINTS MATCH THE WIRING DIAGRAM. SECURE WIRES TO PREVENT LOOSENING OR INTERFERENCE WITH MOVING PARTS. CONFIRM THAT GROUNDING IS PROPERLY INSTALLED TO REDUCE ELECTRICAL HAZARDS.

## MONITORING AND ALARM CONNECTIONS

FOR INSTALLATIONS WITH ALARM MONITORING, CONNECT THE MONITORING WIRES TO THE ALARM SYSTEM TERMINALS. THESE CIRCUITS PROVIDE STATUS FEEDBACK INDICATING WHETHER THE EXIT DEVICE IS LATCHED OR UNLATCHED. ENSURE THAT THE MONITORING CIRCUIT IS TESTED THOROUGHLY WITH A MULTIMETER OR ALARM PANEL TO VERIFY CORRECT OPERATION.

## TESTING AND ADJUSTMENTS

AFTER MECHANICAL AND ELECTRICAL INSTALLATION, THOROUGH TESTING IS NECESSARY TO CONFIRM THE VON DUPRIN 9947 OPERATES CORRECTLY AND MEETS SAFETY REQUIREMENTS. TESTING PROCEDURES INCLUDE MECHANICAL FUNCTION, ELECTRICAL OPERATION, AND COMPLIANCE WITH LOCAL FIRE AND BUILDING CODES.

### MECHANICAL FUNCTION TESTING

TEST THE PUSH BAR BY PRESSING IT SEVERAL TIMES TO ENSURE SMOOTH LATCH RETRACTION AND DOOR OPENING. VERIFY THAT THE LATCH RETURNS TO THE LOCKED POSITION WHEN THE BAR IS RELEASED. CHECK FOR ANY BINDING OR MISALIGNMENT ISSUES THAT COULD IMPAIR FUNCTION. IF NECESSARY, ADJUST THE STRIKE PLATE OR MOUNTING SCREWS TO IMPROVE PERFORMANCE.

### ELECTRICAL FUNCTION TESTING

RESTORE POWER AND TEST ELECTRIC LATCH RETRACTION BY ACTIVATING THE CONTROL SYSTEM. CONFIRM THAT THE LATCH RETRACTS AS EXPECTED WHEN ENERGIZED AND RE-ENGAGES WHEN POWER IS REMOVED. TEST MONITORING CIRCUITS BY ACTIVATING THE DEVICE AND VERIFYING SIGNAL CHANGES ON THE CONTROL PANEL OR ALARM SYSTEM. USE A MULTIMETER TO MEASURE VOLTAGE AND CONTINUITY WHERE APPLICABLE.

## FINAL ADJUSTMENTS

MAKE ANY LAST ADJUSTMENTS TO THE DEVICE'S TENSION, STRIKE PLATE ALIGNMENT, OR WIRING TO ENSURE ALL FUNCTIONS PERFORM RELIABLY. TIGHTEN ALL SCREWS AND FASTENERS SECURELY. DOUBLE-CHECK THAT ALL SAFETY FEATURES ARE OPERATIONAL AND THAT THE DOOR COMPLIES WITH EGRESS AND FIRE SAFETY CODES.

## MAINTENANCE AND TROUBLESHOOTING

REGULAR MAINTENANCE OF THE VON DUPRIN 9947 EXIT DEVICE HELPS SUSTAIN RELIABLE PERFORMANCE AND EXTENDS HARDWARE LIFESPAN. PROMPT TROUBLESHOOTING CAN ADDRESS COMMON ISSUES BEFORE THEY COMPROMISE SAFETY OR SECURITY.

### ROUTINE MAINTENANCE PROCEDURES

PERFORM PERIODIC INSPECTIONS TO CHECK FOR LOOSE HARDWARE, WORN COMPONENTS, AND PROPER LUBRICATION OF MOVING PARTS. CLEAN THE DEVICE TO REMOVE DUST AND DEBRIS THAT COULD INTERFERE WITH OPERATION. TEST THE EXIT DEVICE'S

MECHANICAL AND ELECTRICAL FUNCTIONS ROUTINELY TO DETECT ANY PERFORMANCE DEGRADATION EARLY.

## COMMON TROUBLESHOOTING TIPS

COMMON ISSUES INCLUDE LATCH BINDING, FAILURE OF ELECTRIC LATCH RETRACTION, AND ALARM MONITORING ERRORS. TROUBLESHOOTING STEPS INCLUDE:

- CHECKING AND TIGHTENING ALL MOUNTING SCREWS
- REALIGNING THE STRIKE PLATE FOR PROPER LATCH ENGAGEMENT
- VERIFYING ELECTRICAL CONNECTIONS AND REPLACING DAMAGED WIRES
- TESTING CONTROL PANEL OUTPUTS AND POWER SUPPLY VOLTAGES
- REPLACING WORN OR DAMAGED INTERNAL COMPONENTS AS NECESSARY

CONSULTING THE MANUFACTURER'S TECHNICAL SUPPORT CAN PROVIDE ADDITIONAL GUIDANCE FOR COMPLEX PROBLEMS.

## FREQUENTLY ASKED QUESTIONS

### WHAT TOOLS ARE REQUIRED FOR INSTALLING THE VON DUPRIN 9947 EXIT DEVICE?

TO INSTALL THE VON DUPRIN 9947 EXIT DEVICE, YOU TYPICALLY NEED A DRILL, SCREWDRIVER, MEASURING TAPE, PENCIL OR MARKER, AND A LEVEL. ADDITIONAL TOOLS LIKE A CHISEL MAY BE REQUIRED FOR DOOR PREPARATION.

### WHERE CAN I FIND THE OFFICIAL VON DUPRIN 9947 INSTALLATION INSTRUCTIONS?

THE OFFICIAL INSTALLATION INSTRUCTIONS FOR THE VON DUPRIN 9947 CAN BE FOUND ON THE ALLEGION WEBSITE OR INCLUDED IN THE PRODUCT PACKAGING AS A PRINTED MANUAL OR PDF.

### HOW DO I PREPARE THE DOOR BEFORE INSTALLING THE VON DUPRIN 9947?

BEFORE INSTALLATION, ENSURE THE DOOR IS PROPERLY SIZED AND HOLLOW OR SOLID AS SPECIFIED. MARK AND DRILL HOLES ACCORDING TO THE TEMPLATE INCLUDED IN THE INSTALLATION INSTRUCTIONS, AND MORTISE THE DOOR EDGE IF NECESSARY FOR THE LATCH.

### CAN THE VON DUPRIN 9947 BE INSTALLED ON BOTH WOOD AND METAL DOORS?

YES, THE VON DUPRIN 9947 IS DESIGNED FOR INSTALLATION ON BOTH WOOD AND METAL DOORS, BUT THE INSTALLATION INSTRUCTIONS MAY VARY SLIGHTLY DEPENDING ON THE DOOR TYPE.

### WHAT IS THE RECOMMENDED HEIGHT FOR INSTALLING THE VON DUPRIN 9947 EXIT DEVICE?

THE RECOMMENDED HEIGHT FOR INSTALLING THE VON DUPRIN 9947 IS TYPICALLY 40 INCHES FROM THE FINISHED FLOOR TO THE CENTER OF THE DEVICE, BUT ALWAYS VERIFY WITH LOCAL CODES AND INSTALLATION INSTRUCTIONS.

## How do I adjust the latch on the Von Duprin 9947 during installation?

During installation, you can adjust the latch by loosening the screws on the latch mechanism and aligning it properly with the strike plate, ensuring smooth operation without binding.

## Are there any wiring instructions included for the Von Duprin 9947 exit device?

Yes, if the Von Duprin 9947 model includes electrified options, the installation instructions provide wiring diagrams and guidelines for proper electrical connections.

## How do I ensure the Von Duprin 9947 exit device complies with fire and safety codes during installation?

To ensure compliance, follow the manufacturer's installation instructions closely, use UL-listed components, and verify that the device functions properly for emergency egress as required by local fire and building codes.

## What are common troubleshooting tips if the Von Duprin 9947 does not operate smoothly after installation?

Common troubleshooting tips include checking alignment of the device and strike plate, ensuring the latch is properly adjusted, verifying that all screws are tightened correctly, and confirming that the door and frame are not warped or damaged.

## Additional Resources

### 1. *Mastering Von Duprin 9947 Installation: A Comprehensive Guide*

This book offers a step-by-step walkthrough for installing the Von Duprin 9947 exit device, covering everything from initial preparation to final testing. It includes detailed diagrams and troubleshooting tips to ensure a smooth installation process. Ideal for both beginners and experienced professionals.

### 2. *Von Duprin 9947 Installation and Maintenance Manual*

Focused on both installation and ongoing maintenance, this manual provides clear instructions and best practices to keep your Von Duprin 9947 functioning reliably. It also highlights common issues and how to resolve them quickly, helping prolong the device's lifespan.

### 3. *Security Hardware Essentials: Installing Von Duprin Exit Devices*

This book covers a range of security hardware, with a dedicated section on the Von Duprin 9947 model. It explains the technical specifications, installation requirements, and integration with access control systems, making it a valuable resource for security professionals.

### 4. *The Installer's Handbook for Von Duprin 9947 Panic Bars*

Designed specifically for installers, this handbook breaks down the Von Duprin 9947 installation process into manageable steps. It includes tips on handling tools, fitting various door types, and ensuring compliance with safety codes.

### 5. *Building Security with Von Duprin 9947 Exit Devices*

This book explores the role of Von Duprin 9947 devices in building security systems. It discusses proper installation techniques, positioning for optimal safety, and how these devices contribute to emergency egress plans.

### 6. *Door Hardware Installation: Von Duprin 9947 and Beyond*

A practical guide to installing door hardware, with a focus on the Von Duprin 9947 exit device. It provides insights on compatibility with different doors, mounting options, and electrical considerations for electrified models.

#### *7. QUICK START GUIDE TO VON DUPRIN 9947 INSTALLATION*

PERFECT FOR THOSE NEEDING A FAST YET THOROUGH INSTALLATION REFERENCE, THIS GUIDE DISTILLS THE VON DUPRIN 9947 INSTALLATION PROCESS INTO CONCISE STEPS. IT EMPHASIZES ESSENTIAL TOOLS, SAFETY PRECAUTIONS, AND COMMON PITFALLS TO AVOID.

#### *8. ELECTRICAL AND MECHANICAL INSTALLATION OF VON DUPRIN 9947 DEVICES*

THIS BOOK DELVES INTO BOTH THE MECHANICAL SETUP AND THE ELECTRICAL WIRING ASPECTS OF INSTALLING THE VON DUPRIN 9947. IT IS PARTICULARLY USEFUL FOR INSTALLERS WORKING ON ELECTRIFIED PANIC BARS REQUIRING INTEGRATION WITH BUILDING SECURITY SYSTEMS.

#### *9. TROUBLESHOOTING AND REPAIR FOR VON DUPRIN 9947 EXIT DEVICES*

BEYOND INSTALLATION, THIS RESOURCE HELPS USERS DIAGNOSE AND FIX ISSUES THAT MAY ARISE WITH THE VON DUPRIN 9947. IT INCLUDES DETAILED SCENARIOS, REPAIR TECHNIQUES, AND ADVICE ON MAINTAINING PEAK PERFORMANCE OF THE DEVICE OVER TIME.

## **Von Duprin 9947 Installation Instructions**

Von Duprin 9947 Installation Instructions

### **Related Articles**

- [voices of canada grade 5](#)
- [university of alabama physical therapy](#)
- [vegetius epitome of military science](#)

[Back to Home](#)