Industrial Switch and Distribution Box Installation Guide

1. Document Overview

This guide details the installation methods and compatibility for various models of **Hikvision Industrial Switches** and **Industrial Power Supplies** within two types of distribution boxes:

- **Small Box DS-SBOX-01 (SAP: 343100040)**
- **Large Box DS-SBOX-03 (SAP: 343100041)**

For best practice, it is highly recommended to follow the specific combinations and installation requirements outlined in this guide.

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2. Small Box Installation Guide

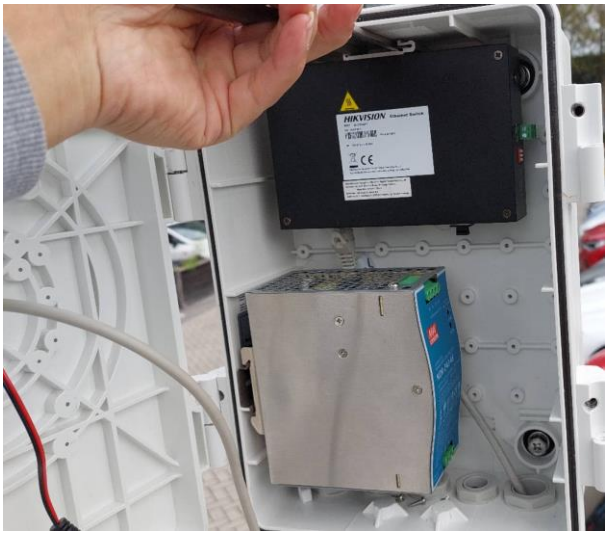
IMPORTANT NOTE: Due to the limited space in this distribution box, the installation of some models has specific requirements.

Specific installation methods and accessories must be used.

2.1 Compatible Installation Solutions

Solution A: Requires Additional L-Shaped Rail (Paired with NDR-240-48 PSU) , Note: Now standard in new DS-SBOX-01 batches.

- **Applicable Switch Models:** DS-3T0306HP, DS-3T0506HP
- **Required Power Supply:** NDR-240-48
- **Key Accessory: Additional L-Shaped Rail** (Must be acquired separately)*
- **Installation Steps:**
    - Install the **additional L-shaped rail** inside the distribution box.
    - Install the switch using a **top-mount** method (on the upper part of the L-shaped rail).
    - Install the power supply using a **bottom-side mount** method (in the space reserved below the switch).
    - **Installation Reference Image:**



Solution B: Standard Installation (Paired with NDR-75-48 PSU)

- **Applicable Switch Models:** DS-3T0506HP-E/HS, DS-3T1306P-SI/HS
- **Required Power Supply:** NDR-75-48
- **Installation Steps:**
  - The power supply (NDR-75-48) has a thin profile and can be placed **side-by-side** with the switch.
  - Both the switch and the power supply can be installed using **top-mount** or **side-mount** methods, both of which are compatible.
  - **Installation Reference Image:**





Solution C: UPS Model (Requires Additional L-Shaped Rail and Staggered Installation)

- **Applicable Switch Model:** DS-3T1506HP-EI-UPS
- **Required Power Supply:** NDR-75-48 or using Hikvision solar panel with DC12/24V inputs
- **Key Accessory: Additional L-Shaped Rail** (Must be acquired separately)*
- **Installation Steps:**
    - Install the **additional L-shaped rail**.
    - **Staggered installation is mandatory:** For example, the switch should be installed near the bottom, and the power supply near the door side (or vice versa).
    - **Installation Purpose:** The staggering is required to ensure sufficient space for connecting network cables.
    - **Installation Reference Image:**





2.2 Other Industrial Switch Models for Small Box

For the following industrial switch models: DS-3T0310HP, DS-3T0510HP, DS-3T0510HP-E/HS, DS-3T1310P-SI/HS, although the switch itself may fit into the box, there is **no remaining space for the installation of power supply NDR-75-48 or NDR-240-48**. Under such circumstance, it is recommended to test other applicable power supply models before project delivery.

For DS-3T1510P-SI-FLT needs power supply NDR-480-48, The DS-3T1510P-SI-FLT and NDR-480-48 power supply can physically fit into the DS-SBOX-01, but the internal s pace is extremely tight. There is insufficient room for proper mounting and secure fixation. For this combination, using the DS-SBOX-03 is highly recommended to ens ure safety and stability.

The photos below show examples of switches that might be fit into the box, yet no space left for power supply units.









2.3 Standalone Power Supply Installation in DS-SBOX-01

- **NDR-75-48** supports both straight Din Rail installation and L-shaped rail installation (both side-mount and top-mount are supported).





- **NDR-240-48** and **NDR-480-48** only support side-mount and top-mount installation.




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3. Large Box Installation Guide

3.1 Compatibility Overview

The DS-SBOX-03 distribution box is **compatible** with all tested switch and power supply models listed in the compatibility chart.

3.2 Installation Steps

- This distribution box has **ample internal space** and can accommodate any compatible switch and power supply unit simultaneously.

- Use the **standard Din Rail** provided inside the distribution box for installation.
- **No special L-shaped rails or staggered installation is required.**
- **Installation Reference Image:**





4. Important Notes

***Previous versions:** Only 1 **L-Shaped Rail** is included in the package of the small distribution box **DS-SBOX-01**. For a second **L-Shaped Rail**, please acquire it from your local component distribution channels separately.

Updated Version: "The package of the DS-SBOX-01 distribution box now includes **two (2) L-Shaped Rails** as standard. No separate purchase is required for standard installation.