

Refrigerant
R410A
SPLIT TYPE ROOM AIR CONDITIONER
INSTALLATION INSTRUCTION
SHEET

(PART NO. 80F000002)

Model	MSZ-LS12000
Capacity	12,000 Btu/h (3.5 kW)
Power supply	AC 220-240V 50/60Hz

1. SAFETY PRECAUTIONS

Read the instruction manual carefully before installation. Failure to follow the instructions may result in personal injury, property damage, or voiding of the warranty.

Do not touch the refrigerant gas. It is extremely cold and may cause frostbite. Also, it is extremely flammable and may cause fire or explosion.

Do not touch the fan blades. They are extremely sharp and may cause injury.

Do not touch the electrical components. They are extremely hot and may cause burns.

Do not touch the gas lines. They are extremely hot and may cause burns.

Do not touch the condensate drain. It may be dirty and may cause infection.

Model	MSZ-LS12000
Capacity	12,000 Btu/h (3.5 kW)
Power supply	AC 220-240V 50/60Hz
Refrigerant	R410A
Weight	12.0 kg (26.5 lb)
Dimensions (W x H x D)	254 x 254 x 254 mm (10 x 10 x 10 in)

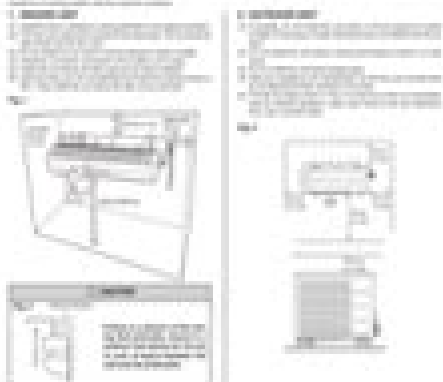
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2. SELECTING THE MOUNTING POSITION

The indoor unit should be installed in a location that is easily accessible for maintenance. It should also be installed in a location that is away from direct sunlight and heat sources.

The outdoor unit should be installed in a location that is well-ventilated and away from obstructions. It should also be installed in a location that is away from direct sunlight and heat sources.

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INSTALLATION PROCEDURE

1. INDOOR UNIT INSTALLATION



1.1. PREPARE THE WALL MOUNTING BRACKET

Remove the mounting bracket from the indoor unit. The bracket is made of two parts: a main bracket and a support bracket. The main bracket is used to mount the indoor unit to the wall, and the support bracket is used to support the indoor unit from below.

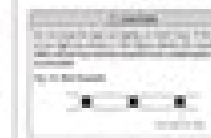


1.2. MOUNT THE INDOOR UNIT TO THE WALL

Mount the indoor unit to the wall using the mounting bracket. The indoor unit should be mounted to the wall in a location that is easily accessible for maintenance. It should also be mounted in a location that is away from direct sunlight and heat sources.



2. OUTDOOR UNIT INSTALLATION



STANDARD ACCESSORIES

Accessories	Quantity
Indoor unit mounting bracket	1
Outdoor unit mounting bracket	1
Refrigerant gas	1
Condensate drain	1
Electrical wiring	1
Remote control	1
Installation manual	1

2. OUTDOOR UNIT INSTALLATION



3. CONNECTING THE PIPES



4. MOUNTING PROCESS



5. REMOTE CONTROL



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Vicki Shearer, Janet Ware



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web however ladder logic ld is the most used and fundamental plc language therefore the basic steps in this guide will help you to use ld with openplc the structure behind ld is based on the electrical ladder diagrams that were used with relay logic in the past these diagrams documented how connections between devices were made on relay panels

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web may 17 2015 the cylinder is a double acting pneumatic cylinder type start start button a and b cylinder moving forward a and b cylinder moving backward for this sequential start a a b b basically when start button is pressed cylinder a will move forward until max then move backward until min

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web jun 27 2015 many plc ladder logic program examples are available for download and you will have to install the plc programming software to view the example ladder another brand specific issue is the names for the instructions and functions

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web aug 20 2018 the actual ladder was the drawing of the control logic an illustration of how the relays were wired together even today a lot of the conventions that led to ladders are still in use and i will use a recent example drawing to illustrate this below is a simplified drawing of a control circuit and one of our ladder logic diagram

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web may 17 2021 they can be programmed using ladder logic designed to imitate control circuit schematics figure 1 shows a proportional integral derivative pid block of the easye4 nano programmable logic controller that can compare the pressure feedback from the system to a desired setpoint

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web plc ladder diagram for single acting and double acting pneumatic cylinders plc pneumatic circuit examples example 1 a double acting cylinder is used to perform machining operation pneumatic cylinder is advanced by pressing two push buttons simultaneously if any one of the push button is released cylinder comes back to start

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web ladder logic has evolved into a programming language that represents a program by a graphical diagram based on the circuit diagrams of relay logic hardware ladder logic is used to develop software for programmable logic controllers plcs used in industrial control applications

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web nov 3 2019 ladder diagram better known as ladder logic is a programming language used to program plcs programmable logic controllers this article will briefly describe what ladder logic is and go over some examples of how it functions

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web feb 16 2021 in simple terms all the field input and output devices are wired to the plc and the ladder logic program decides what outputs to trigger depending on the status of the input signals in basic terms plcs execute ladder logic by first reading all the input states and storing them into memory

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web sep 4 2017 ladder logic also known as ladder diagram or ld is a programming language used to program a plc programmable logic controller it is a graphical plc programming language which expresses logic operations with symbolic notation ladder logic is made out of rungs of logic forming what looks like a ladder hence the name

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web mar 11 2020 during the program scan cycle the plc reads the inputs solves the ladder logic and energizes or de energizes outputs because inputs can change at any time this process repeats over and over again while the plc is in run mode the diagram below shows a model of the plc program scan cycle

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web feb 9 2015 ladder logic was designed to have the same look and feel as electrical ladder diagrams but with ladder logic the physical contacts and coils are replaced with memory bits let s take a look for this program the relay logic s ladder diagram is duplicated with ladder logic no more hard wired logic but memory locations instead

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