



SAMSUNG MIM-B14 External Controller Installation Guide

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MIM-B14 External Controller

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Specifications:

- **Product Name:** External Controller

- **Quantity:** 1EA
 - **Parts Included:**
 - PCB Case: 1EA
 - Harness Wires: 1EA for EACH WIRE
 - Screw: 2EA
-

Product Usage Instructions:

Installation:

1. Fix the PCB case inside the indoor unit control box or at an appropriate position with screws.
2. After fixing the PCB case, attach the external controller PCB.
3. Connect a 2-pin wire between the external controller PCB CN83 and indoor unit PCB EXT_CTRL connector(CN83).
4. Connect a 4-pin wire between the external controller PCB CN81 and indoor unit PCB COMP/ERROR connector(CN81).
5. Connect a 4-pin wire between the external controller PCB CN81 and indoor unit PCB R32 CHECK LAMP/EXTERNAL ALARM connector(YELLOW). Refer to the Indoor Unit manual for details.

Installation Option Setting of Indoor Unit:

For Indoor unit with DIP S/W:

Operation Specification according to Indoor Unit PCB installation option Set up:

- WIRE NO. 1,2: K11 OFF COMP. Check
- WIRE NO. 3,4: OUTPUT STATE Error Check
- WIRE NO. 5,6: Signal Input (TIMER)

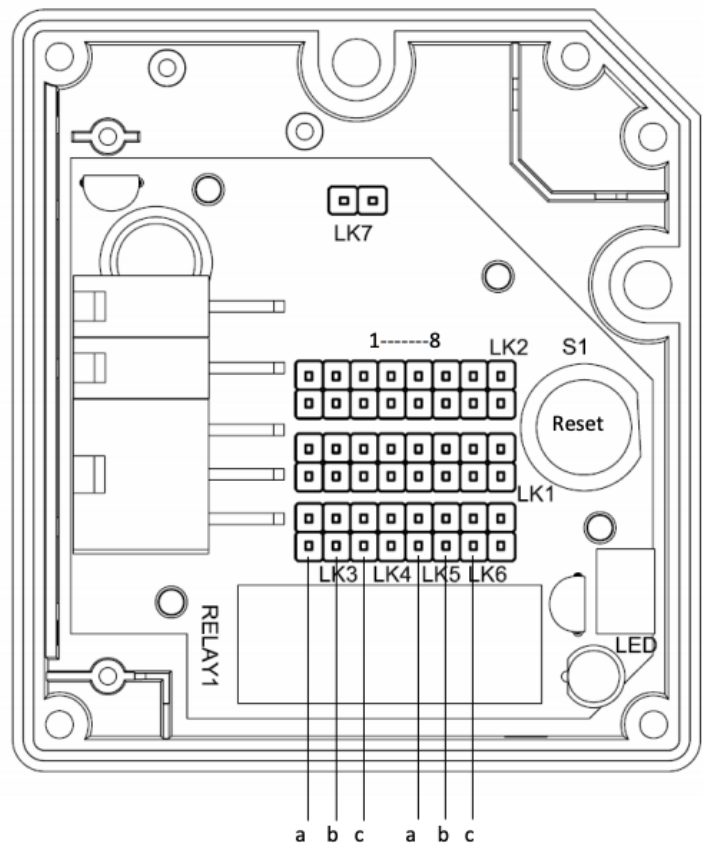
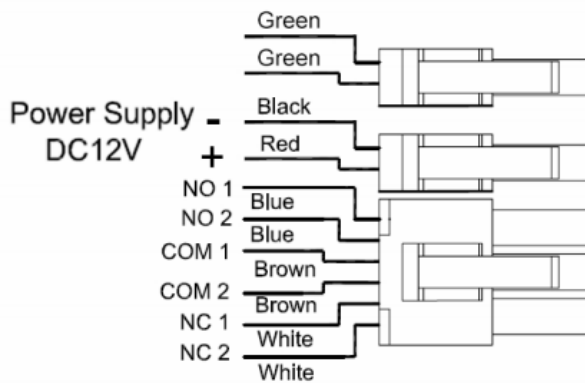
For Indoor unit without DIP S/W:

Purpose:

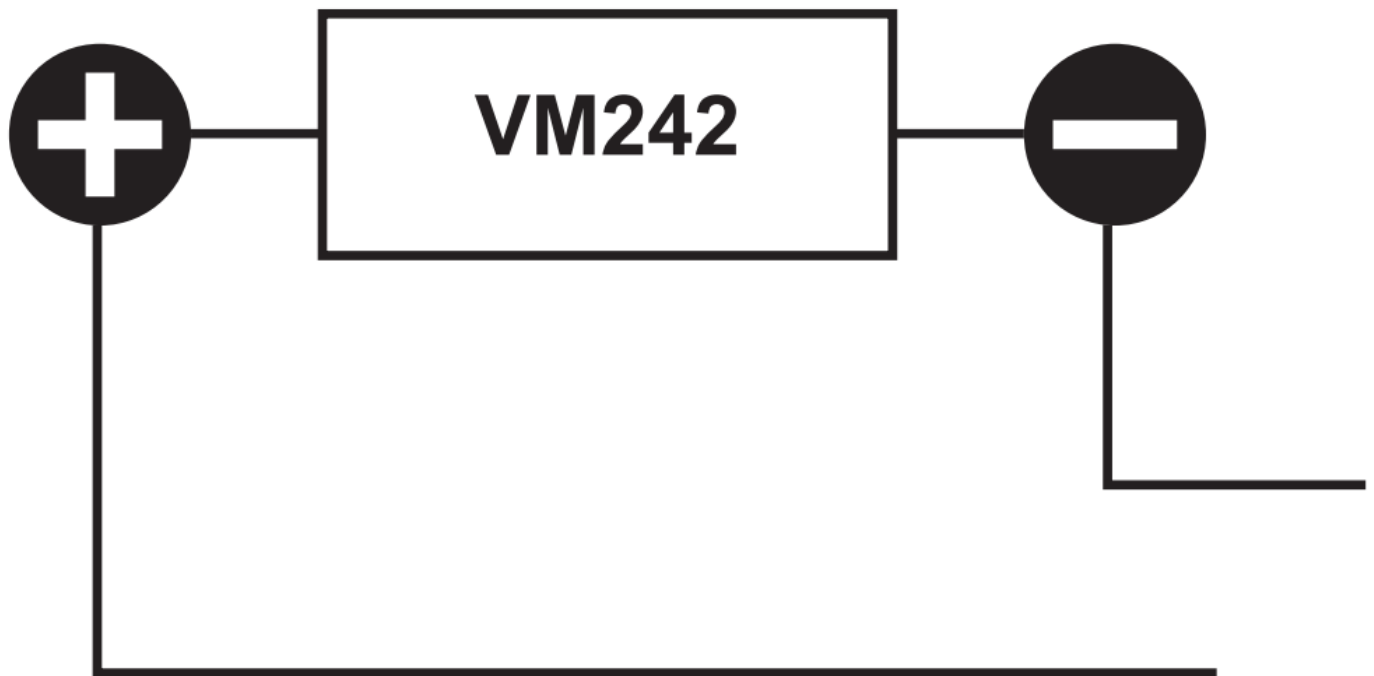
- Turn on/off the indoor unit via external contact control
- Control external heater Turn on/off the indoor unit via external contact control and control external heater

Circuit Diagrams:

For turning on/off the indoor unit via external contact control:



For controlling external heater (On/Off):



Circuit diagram for using external heater for the indoor units
without hot water coil terminal:



Frequently Asked Questions (FAQ):

Q: How do I dispose of the product and its electronic accessories?

A: This product and its electronic accessories should not be disposed of with other household waste. For correct disposal, please visit www.samsung.com/weee.pdf.

Q: What does the India RoHS compliance mean for this product?

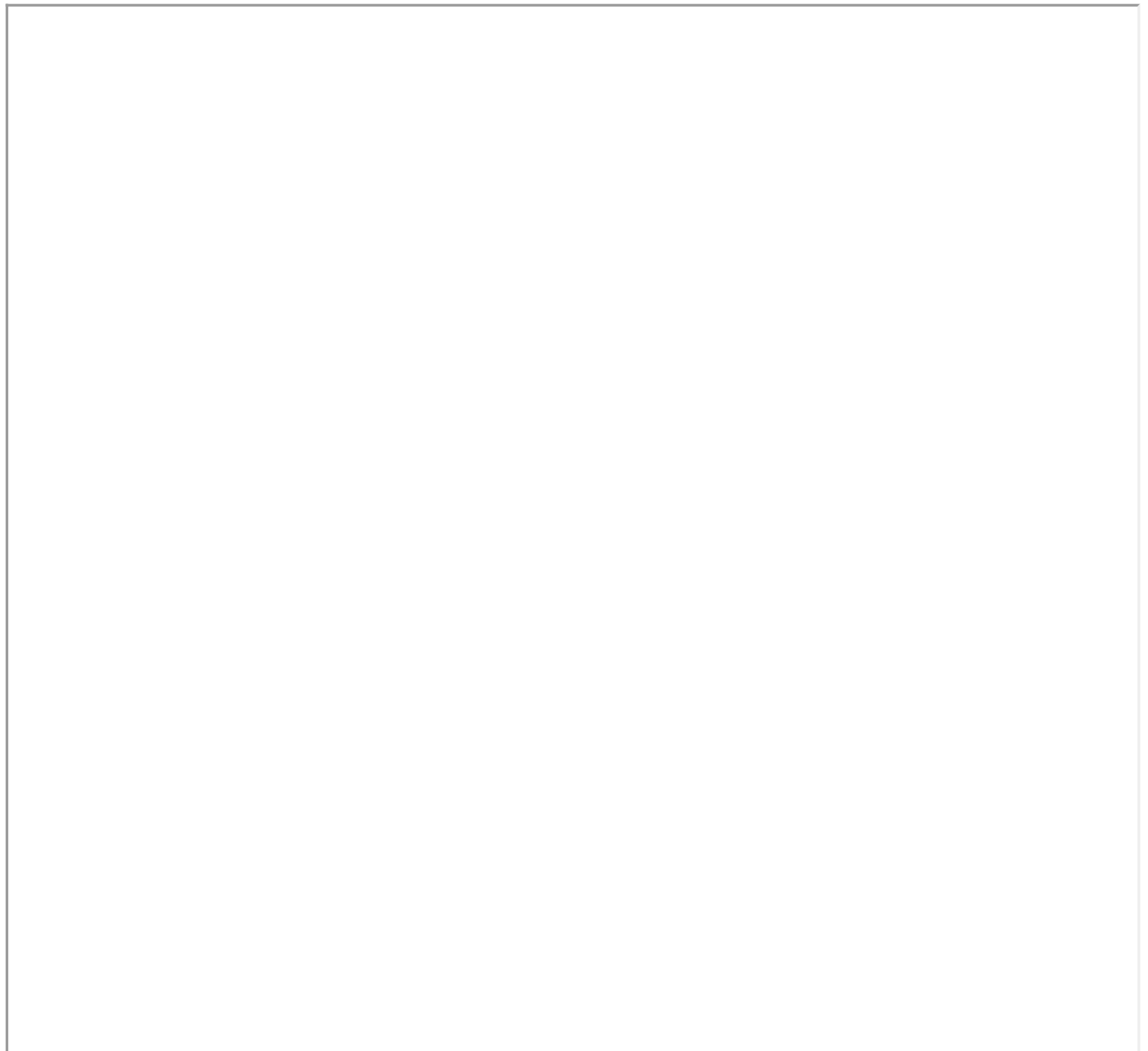
A: The product is India RoHS compliant, indicating that it meets the Restriction of Hazardous Substances regulations in India.

Q: Can I recycle this product and its accessories?

A: Yes, this product, its accessories, batteries, and cords are recyclable. Find collection points at www.quefairedemesdechets.fr.

“

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EXTERNAL CONTROLLER INSTALLATION

Parts

PRODUCT NAME

QUANTITY

EXTERNAL CONTROLLER

1EA

PCB CASE 1EA

HARNESS WIRES 1EA for EACH WIRE

SCREW 2EA

SHAPE

Installation

1. Fix PCB case() inside the indoor unit control box or at an appropriate position with screws (). 2. After fixing PCB cases, attach the external controller PCB. (See the following figure, Assembly Drawing)

[figure, Assembly Drawing]

SCREW

PCB CASE

WIRE

WIRE or WIRE

SCREW fixing Positions

Screw fixing positions when necessary

Align the case locking with the PCB locking

3. Connect 2 pin wire () between the external controller PCB CN83 and indoor unit PCB EXT_CTRL connector(CN83).

4. Connect 4 pin wire () between the external controller PCB CN81 and indoor unit PCB COMP/ERROR connector(CN81).

5. Connect 4 pin wire () between the external controller PCB CN81 and indoor unit PCB R32 CHECK LAMP/ EXTERNAL ALARM connector(YELLOW). Refer to Indoor Unit manual.

Installation option setting of indoor unit

Indoor unit with DIP S/W

Operation Specification according to Indoor Unit PCB installation option Set up

WIRE NO.

1,2 3,4 5,6

K11 OFF COMP. Check

OUTPUT STATE Error Check

Signal Input (TIMER)

K11 & K12 OFF Operating Check

DB98-26202A-05

Indoor unit without DIP S/W

Purpose Turn on/off the indoor unit via external contact control

Control external heater Turn on/off the indoor unit via external contact control and control external heater (1*)

5, 6 INPUT DRY CONTACT

DRY CONTACT

3, 4 OUTPUT

1, 2 OUTPUT

THERMO ON/OFF or OPERATION ON/OFF

External heater's Switch External heater's Switch

ERROR STATUS (Normal Close)

(*1) When the purpose is to use as external heater's on/off signal, monitoring signal for external contact control will not be outputted.

Circuit diagram of external controller's output

For turning on/off the indoor unit via external contact control

AC LAMP

For controlling external heater (On/Off)

Circuit diagram for using external heater for the indoor units without hot water coil terminal

AC Relay

External Heater

Detailed method about Installation option establishment refers to Indoor Unit manual.
(External contact control setting: Refer to SGE14, SGE15 of 02 Series installation option
External heater control setting: Refer to SEG15 of 02 Series Installation Option and SEG18 of 05 Series installation option))

Dry contact(no power source contact) must be connected to the input terminal 5,6.
When MIM-B14 is used for controlling external heater, its contact should not be connected directly to the load. (Only use as switch as shown in above diagram.)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste.

For correct disposal of this product, please visit <http://www.samsung.com/weee.pdf>

This product is India RoHS compliant

FR Cet appareil, ses accessoires, piles et cordons se recyclent

À DÉPOSER À DÉPOSER EN MAGASIN EN DÉCHÈTERIE
OU

Points de collecte sur www.quefairedemesdechets.fr !

English

Harici Kontrol Ünitesi KURULUMU

Parçalar

ÜRÜN ADI HARC KONTROL ÜNTES ELEKTRONK KART KUTUSU

MIKTAR

1 ADET

1 ADET

TEÇHZAT KABLOLARI

HER KABLO ÇN 1 ADET

VDA 2 ADET

EKİL

Kurulum

1. Elektronik kart kutusunu () ç ünite kontrol kutusu içine veya uygun bir konuma vidalarla () sabitleyin. 2. Elektronik kart kutusunu sabitledikten sonra, harici kontrol ünitesi kartini takin. (Aaidaki Montaj emasina bakin)

[ekil, Montaj eması] VDA

PCB KASASI

KABLO

KABLO veya KABLO

VDA sabitleme Konumları

Gerektiinde sabitleme konumlarını vidalayın

Kasa kilidini elektronik kart kilidiyle hizalayın

3. 2 pinli kabloyu () harici kontrol ünitesi karti CN83 ve iç ünite PCB EXT_CTRL konektörü (CN83) arasına balayın.

4. 4 pinli kabloyu () harici kontrol ünitesi karti CN81 ve iç ünite PCB KOMP/HATA konektörü (CN81) arasına balayın. 5. 4 pinli kabloyu () harici kontrol ünitesi karti CN81 ve iç ünite karti R32 LAMBA KONTROLÜ/HARC ALARM konektörü (SARI) arasına balayın. ç Ünite kilavuzuna bakın.
ç ünitenin kurulum seçenei ayarı

DP Siviç'i olan ç Üniteler

ç Ünite elektronik kart kurulum ayarı

KABLO NO.

1,2 3,4 5,6

ÇIKI DURUMU

K11 KAPALI

K11 ve K12 KAPALI

Hata Bilgisi

KOMP. Çalışıyor Bilgisi

Çalışma Bilgisi

Sinyal Giriş (ZAMANLAYICI)

DP Siviç'i olmayan  Üniteler

Amaç

Harici kontak kontrolü vasıtasıyla iç üniteyi açın/
kapatın

Harici ısıtıcıyı kontrol edin

Harici kontak kontrolü ve kontrol harici ısıtıcısı vasıtasıyla iç üniteyi
açın/kapatın(*1)

5, 6 GR KURU KONTAK

KURU KONTAK

3, 4 ÇIKI TERMO AÇIK/KAPALI ya da

ÇALIMA AÇIK/KAPALI Harici ısıtıcının Anahtarı

Harici ısıtıcının Anahtarı

1, 2 ÇIKI

HATA DURUMU (Normal durum: kapalı)

(*1) Amaç harici ısıtıcının açık/kapalı sinyalinin kullanımı olduunda, harici kontak kontrolü
izleme sinyal çıkıı olmayacaktır.

Harici Kontrol Ünitesi Elektronik Kartının devre diyagramı

Harici Kontak Kontrol Ünitesi vasıtasıyla  Ünitenin Açılması/Kapanması

AC LAMBASI

Harici Kontak Kontrol Ünitesi vasıtasıyla Harici Isıtıcının Kontrolü (Açma/Kapama)

Sıcak su bobin terminali olmadan iç üniteler için harici ısıtıcıyı kullanmak için devre
diyagramı Kurulum opsiyon kod ayarı hakkında ayrıntılı yöntem için  Ünite kurulum

kilavuzuna bakın. (Harici kontak kontrol ayarı: Bkz. 02 Serisi kurulum opsiyon kodu

SGE14, SGE15 Harici ısıtıcı kontrol ayarı: Bkz. 02 Serisi kurulum opsiyon kodu SEG15

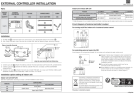
ve 05 Serisi kurulum seçenei SEG18) Kuru kontak (güç kaynai kontai yok) giri terminali

5,6'ya balanmalıdır. Harici ısıtıcıyı kontrol etmek için MIM-B14 kullanıldıında, kontai

dorudan yüke balanmamalidir. (Yukaridaki diyagramda gösterildii gibi yalnızca anahtar olarak kullanin.)

TÜRKÇE

Documents / Resources

	SAMSUNG MIM-B14 External Controller [pdf] Installation Guide MIM-B14, MIM-B14, MIM-B14 External Controller, External Controller, Controller
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References

- [User Manual](#)

controller, External Controller, MIM-B14, MIM-B14 External Controller, Samsung Samsung

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