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FranMar International Inc.
4F-6, No.81, Sec 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 221, Taiwan
FAX: +886-2-2698 0585

User Manual

24W Power adapter Desktop type Model Name: FRA024-S12-4

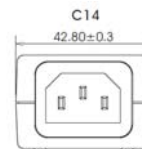
Specification:

- The switching power supply meets RoHS requirement.
- DC Input:100 to 240Vac, normal line is 115Vac or 230Vac.input current(rms): 0.7A(Max.)
Input Frequency:47 to 63Hz.
- DC Output:+12V / 2A.

Output pin of the mounting connector (front view).



- Efficiency: comply with efficiency level VI.
- Protections: OVP, OLP, Short Circuit Protection
- LED Display: Blue LED; Power on: Light; Power off: No light
- Operation Conditions
Operation Temperature: -10°C to 60°C
Operation Humidity: 20% to 90%.
- Storage Conditions
Storage Temperature: -20°C to 85°C.
Storage Humidity: 5% to 95%.
- Mechanical
DC plug: 5.5 * 2.5 * 11 mm * 180°
DC cable: L=1000mm.
Weight :150 grams.
Dimension:106.6 mm (L) × 42.8 mm (W) × 31.5 mm (H).



The following safety precautions must be observed during all phases of operation to avoid injury and prevent damage to the adapter.

◎INSTALLATION:

- (1) Avoid pulling on the AC cords and DC cables. Always grip DC plugs firmly when unplug from power source and when disconnect cables.
- (2) Before attaching the DC plug to the equipment, be sure unplugging the adapter from the AC main power and verify the unit is within the voltage and current rating on the equipment.
- (3) Keep the linkage between the adapter and its power cord tightly as well as connecting the DC plug to equipment properly.
- (4) To ensure adequate cooling of the adapter, be sure that there is at least 10-15 cm clearance around the adapter.
- (5) Discount the equipment from the adapter to avoid damage by voltage peaks or lighting strike when final equipment will not use for a long time.
- (6) Make sure power cord will not being trodden on or squashed.

◎Safety:

Please pay special attention to these two types of notices used in this manual

WARNING: Failure to observe this warning may cause injury to persons and damage to power supply or connected equipment.

CAUTION: Failure to observe this warning may result in damage to equipment and improper functioning of the power supply.



◎WARNING & CAUTION:

- (1) To avoid electric shock or fire hazard, do not apply a voltage to a terminal that is outside the range specified for that terminal.
- (2) To avoid electric shock or hazard, do not remove the cover when operate the adapter ; serious result include death from exposure to high voltage. And also be sure to unplug the adapter from its external power source before attaching the power tip.
- (3) Do not operate the adapter in extreme humidity (>90%) or near the water.
- (4) This adapter is for indoor use only.
- (5) Do not operate or place this adapter in a humid, dusty, in direct sunlight location or near any heat source.
- (6) Do not drop or subject the adapter to undue shock.
- (7) Do not place any heavy object on the top of adapter.
- (8) Before clean the adapter, please disconnect it from AC power and only use slightly damp cloth to clean the adapter.

Manufacturer :

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Xizhi Dist., New Taipei City 221, Taiwan

Web: www.franmar.com.tw TEL: +886-2-2698-0575

If you have any questions, please contact with FranMar e-mail address: info_ready@franmar.com.tw

Compliance and Regulatory Statements



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Declaration of Conformity



The following equipment:
Power Adapter

Model Name:
FRA024-Svv-w
(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I)

FranMar International Inc. is hereby declared and confirmed the above products comply with the requirements set out in the Council Directive, the following standard were applied:

RoHS Directive (2011/65EU),(2015/863EU)
EN50581:2012
Low Voltage Directive (2014/35/EU)
EN62368-1:2014+A11
IEC62368-1:2014
Electromagnetic Compatibility (2014/30/EU)
EN55032:2012 + AC Class B
EN55024:2010 + A1:2015 CISPR22 Class B
EN61000-3-2:2014
EN61000-3-3:2013

ErP Directive 2009/125/EC(recasts and supersedes 2005/32/EC)
Ecodesign requirements for no-load condition electric power consumption and average active efficiency of external power supplies EC No. 278/2009

Person responsible for marking this declaration:

Phoebe Chen, Sales Manager
FranMar International Inc.
Date: Sep, 04,2020

ISO-9001 CERTIFIED
You Smart Choice in Power

- FranMar vakuuttaa täten että FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) tyyppinen laite on direktiivin oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen. 2014/30, 2014/35, 2011/65, 2015/863.
- Hierbij verklaart FranMar dat het toestel FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 2014/30, 2014/35, 2011/65, 2015/863.
- Par la présente FranMar déclare que les FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) sont conformes aux exigences essentielles et aux autres dispositions pertinentes des Directives 2014/30, 2014/35, 2011/65, 2015/863.
- Härmed intygar FranMar att denna FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 2014/30, 2014/35, 2011/65, 2015/863.
- Undertegnede FranMar erklærer herved, at følgende udstyr FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/30, 2014/35, 2011/65, 2015/863.
- Hiermit erklärt FranMar, dass sich dieses FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 2014/30, 2014/35, 2011/65, 2015/863 befindet (BMW).
- ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ FranMar ΔΗΛΩΝΕΙ ΟΤΙ FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 2014/30, 2014/35, 2011/65, 2015/863.
- Con la presente FranMar dichiara che questo FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 2014/30, 2014/35, 2011/65, 2015/863.
- Por medio de la presente FranMar declara que el FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 2014/30, 2014/35, 2011/65, 2015/863.
- FranMar declara que este FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) está conforme com os requisitos essenciais e outras disposições da Directiva 2014/30, 2014/35, 2011/65, 2015/863.
- Hawnhekk, Fran Mar, jiddikjara li dan FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) jikkonforma mal-htigijiet essenzjali u ma provvedimenti oħrajn rilevanti li hemm fid-Direttiva 2014/30, 2014/35, 2011/65, 2015/863.
- Käesolevaga kinnitab FranMar seadme FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) vastavust direktiivi 2014/30, 2014/35, 2011/65, 2015/863 põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
- Alulírott, F r a n M a r nyilatkozom, hogy a FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) megfelel a vonatkozó alapvető követelményeknek és az 2014/30, 2014/35, 2011/65, 2015/863 irányelv egyéb előírásainak.

- FranMar týmto vyhlasuje, že FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 2014/30, 2014/35, 2011/65, 2015/863.
- FranMar tímto prohlašuje, že tento FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 2014/30, 2014/35, 2011/65, 2015/863.
- Šiuo F r a n M a r deklaruoja, kad šis FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) atitinka esminius reikalavimus ir kitas 2014/30, 2014/35, 2011/65, 2015/863 Direktyvos nuostatas.
- Ar šo F r a n M a r deklarē, ka FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) atbilst Direktīvas 2014/30, 2014/35, 2011/65, 2015/863 būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
- FranMar izjaviļja, da je ta FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 2014/30, 2014/35, 2011/65, 2015/863.
- Hér með lýsir FranMar yfir því að FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2014/30, 2014/35, 2011/65, 2015/863.
- Niniejszym FranMar oświadcza, że FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 2014/30, 2014/35, 2011/65, 2015/863.
- FraMar erklærer herved at utstyret FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 2014/30, 2014/35, 2011/65, 2015/863.
- Noi FraMar declarăm că FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) respectă cerințele esențiale și alte dispoziții relevante din directivele 2014/30, 2014/35, 2011/65, 2015/863.
- FranMar декларирам на своя отговорност, че далекосъобщително устройство FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I) съответства на съществениите изисквания по 2014/30, 2014/35, 2011/65, 2015/863.

■ EN55032 and CISPR32 – Class B statement

This is a Class B product that may cause radio interference. In this case, the user may be required to take adequate measures.

Marking

The FRA024-Svv-w(vv=05,07,09,12,15,18,24,30,36 or 48; w=4,6,8,A,C,E,U,I)
bears the following CE mark:



Environmental Information

Waste Electrical and Electronic Equipment – WEEE



The WEEE (Waste Electrical and Electronic Equipment) legislation aims to raise the level of recycling of electrical and electronic equipment and to encourage designers to create products with recycling in mind.

The FranMar equipment that you bought has required the extraction and use of natural resources for its production. It may contain hazardous substances that could impact health and the environment.

In order to avoid the dissemination of those substances in our environment and to diminish the pressure on the natural resources, we encourage you to use the appropriate take-back systems. Those systems will reuse or recycle most of the materials of your end-of-life equipment in a sound way.

The crossed-out wheeled bin symbol invites you not to dispose of WEEE as unsorted municipal waste and to collect such WEEE separately.