Schneider Electric

CE 0434

MWU-300/300C
MWU-500

USER INSTRUCTION

Art.nr 0075277 / MI 2362 / 0809

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CE 0434

CONTENTS

CE 0434

Användarinstruktion MWU-300/300C, MWU-500 DK, SE

Schneider Electric förinstallerade vårdrumspaneler, MWU-300, MWU-300C samt MWU-500 är avsedda att erbjuda kommunikation, kraft och gas i vårdrum. Panelerna kan bestyckas för användningsområden från medelintensiv sjukhusvård till äldrevård i hemmiljö.

1. Kallelseknappen lyser när den trycks in
2. Lysrörsarmatur samt lampa kan vara av/på
3. Nattbelysning kan vara av/på
4. Telefon och datauttag kan vara anslutna eller icke anslutna
5. För MWU-300C gäller att luckor ska hållas stängda

Alla uttag är utformade enligt Svensk standard.
Det finns inte några förkortningar angivna på uttagen.

Symbolen  betyder ventil.

Inget förebyggande underhåll behöver utföras. Rengöring; se bruksanvisning

Tillåten användarmiljö: Ej för utomhusbruk

Elektriska data 230/400V/16A Kapslingsklass IP20,.Skyddsjord Klass 1

Tillåten lagrings och transport temperatur -25° C - +60° C.

Produkten har kontrollerats med avseende på jordresistans och jordläckström enligt standard EN-ISO 11197

Vid installation av panelen ska den bifogade informationen angående elektromagnetisk kompabilitet (EMC) beaktas

Service
Byte av lysrör enligt bifogad instruktion
Byte av packning i gasuttag enligt bifogad instruktion från gasuttagsleverantör

VARNING
- Panelen innehåller berörbara kommunikationsuttag (modular, coaxial)
- På grund av EMC bör panelen ej användas i omedelbar närhet till annan utrustning. Om det ändå är nödvändigt skall det tillses att panelen fungerar normalt

För mer information kontakta:

Schneider Electric
Product Department Cable Management Systems
Installation Systems & Control (ISC) Business Unit
Tillverkarvägen 2, Box 1010, S-611 29 Nyköping, Sweden
www.schneider-electric.com

Art.nr 0075277 / MI 2362 / 0809

CE 0434

Brukerinstruks MWU-300/300C, MWU-500 NO

Schneider Electric forinstallerte sykehuspaneler type MWU-300, MWU-300C og MWU-500 er utviklet for å føre fram elkraft, kommunikasjon og gass til sengerom og undersøkelsesrom. Panelet leveres ferdig koblet og er beregnet for middels intensive pasientrom i sykehus og sykehjem.

1. Signalknappen vil gi signal ved å trykke den inn
2. Lysarmatur samt leselampen kan tennes og slukkes
3. Nattlyset kan tennes og slukkes
4. Tele og data uttak kan kobles til eller være åpne
5. För MWU-300C gäller att luckor ska hållas stängda.

Alle uttak er i henhold til Norsk standard.

Det finnes ingen forkortelser på uttakene.

Symbolet  betyr ventil.

Ingen forebyggende vedlikehold er nødvendig. Rengjøring: se separat instruks

Tekniske data: Kapslingsklasse IP20
Må ikke brukes utendørs.
Elkraft, 230/400V, 16A, Beskyttelsejord Klass 1
Lager og transporttemperatur –25C - +60C

Produktet er kontrollert angående jordresistans og jordstrømslekasje i henhold til standard EN-ISO 11197

Ved installasjon av panelet skall den vedlagte informasjonen angående elektromagnetisk kompatibilitet (EMC) bevoktes

Service
Byte av lysrör enligt bifogad instruktion
Byte av packning i gasuttag enligt bifogad instruktion från gasuttagsleverantör

ADVARSEL

- Sykehuspanelet inneholder tele/data og signal uttak som må behandles med forsiktighet
- På grunn av EMC bør panelet ikke anvendes i umiddelbar nerhet til annen utrustning. Om det enda er nødvendig skall det tilsies att panelet fungerer normalt.

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Users Instruction MWU-300, MWU-500 GB, IRL

Schneider Electric pre-wired Medical Ward Unit MWU-300 and MWU-500 offers solutions for communication, power and gas supply in hospitals and nursing homes. The unit can be adjusted to the needs in rooms ranging from medium intensive hospital care to homelike geriatric care.

1. Lamp can be on/off
2. Fluorescent lamp and comfort light can be on/off
3. Telephone and data outlets may be connected or not

There are no terms or abbreviations.

No preventive maintenance needed. For cleaning; see separate Directions for use

Allowed environment: Not suitable outdoors

Electrical data 230/400V 16A, degree of protection IP20, earth protecting class 1

Min. storage and transport temperature -25° C - +60° C.

The product have been inspected regarding earth leakage current and protective earth impedance according to European standard EN-ISO 11197

Be attentive of the information regarding electromagnetic compatibility (EMC) when installing the Medical Ward Unit

Service
Fluorescent lamp exchanging according to attached instruction
Gas outlet gasket exchanging according to attached instruction from gas outlet supplier

WARNING
- The Medical Ward Unit includes touchable communications outlets (modular, coax)
- The Medical Ward Unit shall not be used adjacent to other equipment. If adjacent use is necessary the panel shall be observed to verify normal operation in the configuration in which it will be used

For more information contact:

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DECLARATION OF ELECTROMAGNETIC EMISSIONS

MWU-300, MWU-300C and MWU-500 is intended for use in the electromagnetic environment specified below. The customer or the user of MWU-300, MWU-300C and MWU-500 should assure that it is used in such an environment

Emission test	Compliance	Electromagnetic environment - guidance
RF Emissions CISPR 11	Group 1	The MWU-300, MWU-300C and MWU-500 uses RF energy only for its internal function. Therefore, its RF emission are very low and are not likely to cause any interference in nearby electronic equipment
RF Emissions CISPR 11	Class B	The MWU-300, MWU-300C and MWU-500 is suitable for use in all establishments including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purpose
Harmonic emissions IEC 61000-3-2	IEC 61000-3-2	
Voltage fluctuations / flicker emissions IEC 61000-3-3	Complies	

DECLARATION OF ELECTROMAGNETIC IMMUNITY

MWU-300, MWU-300C and MWU-500 is intended for use in the electromagnetic environment specified below. The customer or the user of MWU-300, MWU-300C and MWU-500 should assure that it is used in such an environment

Immunity test	IEC 60601 test level	Compliance	Electromagnetic environment - guidance
Electrostatic discharge (ESD) IEC 61000-4-2	± 6kV contact ± 8kV air	± 6kV contact ± 8kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient/burst IEC 61000-4-4	± 2 kV for power supply lines ± 1 kV for input/output lines	± 2 kV for power supply lines ± 1 kV for input/output lines	Mains power quality should be that of a typical commercial or hospital environment
Surge IEC 61000-4-5	± 1 kV differential mode ± 2 kV common mode	± 1 kV differential mode ± 2 kV common mode	Mains power quality should be that of a typical commercial or hospital environment
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	<5 % U_r (>95% dip in U_r) for 0,5 cycle. 40 % U_r (60% dip in U_r) for 5 cycle. 70 % U_r (30 % dip in U_r) for 25 cycle. <5 % U_r (>95% dip in U_r) for 5 sec.	<5 % U_r (>95% dip in U_r) for 0,5 cycle. 40 % U_r (60% dip in U_r) for 5 cycle. 70 % U_r (30 % dip in U_r) for 25 cycle. <5 % U_r (>95% dip in U_r) for 5 sec.	Mains power quality should be that of a typical commercial or hospital environment. If the user of MWU-300, MWU-300C and MWU-500 requires continued operation during power mains interruption, it is recommended that the MWU-300, MWU-300C and MWU-500 be powered from an uninterruptible power supply or a battery.
Power frequency (50/60Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment

NOTE U_r is the a.c mains voltage prior to application of the test level.

Schneider Electric

CE 0434

DECLARATION OF ELECTROMAGNETIC IMMUNITY

MWU-300, MWU-300C and MWU-500 is intended for use in the electromagnetic environment specified below. The customer or the user of MWU-300, MWU-300C and MWU-500 should assure that it is used in such an electromagnetic environment

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
			Portable and mobile RF communications equipment should be used no closer to any part of the MWU-300, MWU-300C and MWU-500, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. **Recommended separation distance**
Conducted RF IEC 61000-4-6	3 Vrms 150kHz to 80Mhz	3 Vrms	$d = 1,2\sqrt{P}$
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2,5 GHz	3 V/m	$d = 1,2\sqrt{P}$ 80 MHz to 800 MHz $d = 2,3\sqrt{P}$ 800 MHz to 2,5 GHz Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and *d* is the recommended separation distance in meters (m) Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, [a] should be less than the compliance level in each frequency range. [b] Interference may occur in the vicinity of equipment marked with the following symbol : 

NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

[a] Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the MWU-300, MWU-300C and MWU-500 is used exceeds the applicable RF compliance level above, the MWU-300, MWU-300C and MWU-500 should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the MWU-300, MWU-300C and MWU-500.

[b] Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m

Recommended separation distance between portable and mobile RF communications equipment and the MWU-300, MWU-300C and MWU-500.

MWU-300, MWU-300C and MWU-500 is intended for use in the electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of MWU-300, MWU-300C and MWU-500 can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the MWU-300, MWU-300C and MWU-500 as recommended below, according to the maximum output power of the communications equipment

Rated maximum output power of transmitter (W)	**Separation distance according to frequency of transmitter (m)**		
	150kHz to 80Mhz $d = 1,2\sqrt{P}$	**80 MHz to 800 MHz** $d = 1,2\sqrt{P}$	**800 MHz to 2,5 GHz** $d = 2,3\sqrt{P}$
0,01	0,12	0,12	0,23
0,1	0,38	0,38	0,73
1	1,2	1,2	2,3
10	3,8	3,8	7,3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance *d* in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where *P* is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people