MITSUBISHI ELECTRIC

General-Purpose AC Servo

MITSUBISHI SERVO AMPLIFIERS & MOTORS

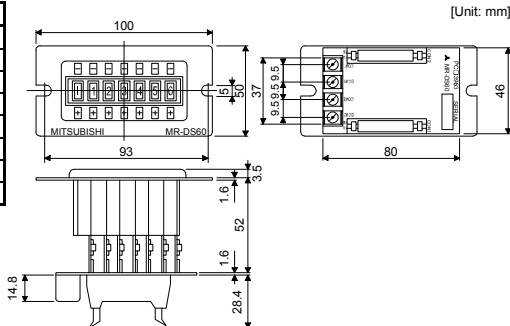**MELSERVO**

6-Digit Digital Switch
Model
MR-DS60

Installation Guide C

Thank you for choosing this product. This guide is the installation guide for the 6-Digit Digital Switch (MR-DS60). To ensure safety, always read through this guide and the instruction manual of the servo amplifier used before using this product. What is not written in this guide is described in the instruction manual of the servo amplifier.
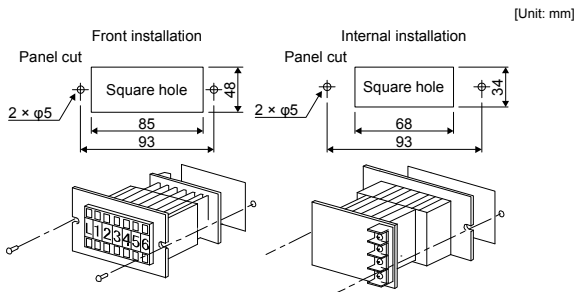
Please forward this guide and other attached documents to the customer who will use this product. Also, always keep this guide and other documents.

1. SPECIFICATIONS AND OUTLINE DRAWING

Item	Specifications
Type	MR-DS60A
Number of digits	Signal 6-digit BCD
Electrical characteristic	28 V DC (0.5 A)
Dielectric withstand voltage	500 Vr.m.s
Contact resistance	100 mΩ or less
Life	1,000,000 times
Operating temperature range	0 °C to 60 °C (32 °F to 140 °F)
Storage temperature range	-5 °C to 70 °C (23 °F to 158 °F)

[Unit: mm]

2. INSTALLATION

[Unit: mm]

3. TERMINAL ASSIGNMENT

CON1, CON2

10B	10A
DO04	DO05
DI03	DI02
DI01	DI00
DI07	DI06
DI05	DI04
DI11	DI10
DI09	DI08
1B DI13	DI12 1A

Signal	Pin No.	Description
DO04	9A	Common output 1, sign, ×1000, ×10000, ×100000 side common output
DO05	9B	Common output 2, ×1, ×10, ×100 side common output
DI00	6A	×1, ×1000 bit 0
DI01	6B	×1, ×1000 bit 1
DI02	7A	×1, ×1000 bit 2
DI03	7B	×1, ×1000 bit 3
DI04	4A	×10, ×10000 bit 0
DI05	4B	×10, ×10000 bit 1
DI06	5A	×10, ×10000 bit 2
DI07	5B	×10, ×10000 bit 3
DI08	2A	×100, ×100000 bit 0
DI09	2B	×100, ×100000 bit 1
DI10	3A	×100, ×100000 bit 2
DI11	3B	×100, ×100000 bit 3
DI12	1A	Sign bit 0
DI13	1B	Sign bit 1

TB

⊗	DCM2
⊗	COM2
⊗	DCM1
⊗	COM1

Signal	Description
DCM2	Common input 2. Connect with COM2 when selecting a block.
COM2	Common output 2. Common 2 used for switch selection when two or more digital switches are used.
DCM1	Common input 1. Connect with COM1 when selecting a block.
COM1	Common output 1. Common 1 used for switch selection when two or more digital switches are used.

MITSUBISHI ELECTRIC CORPORATION

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