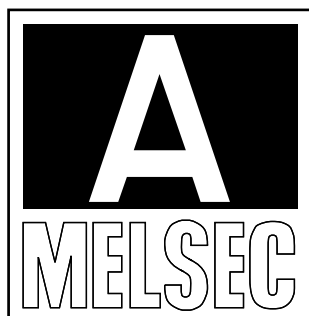
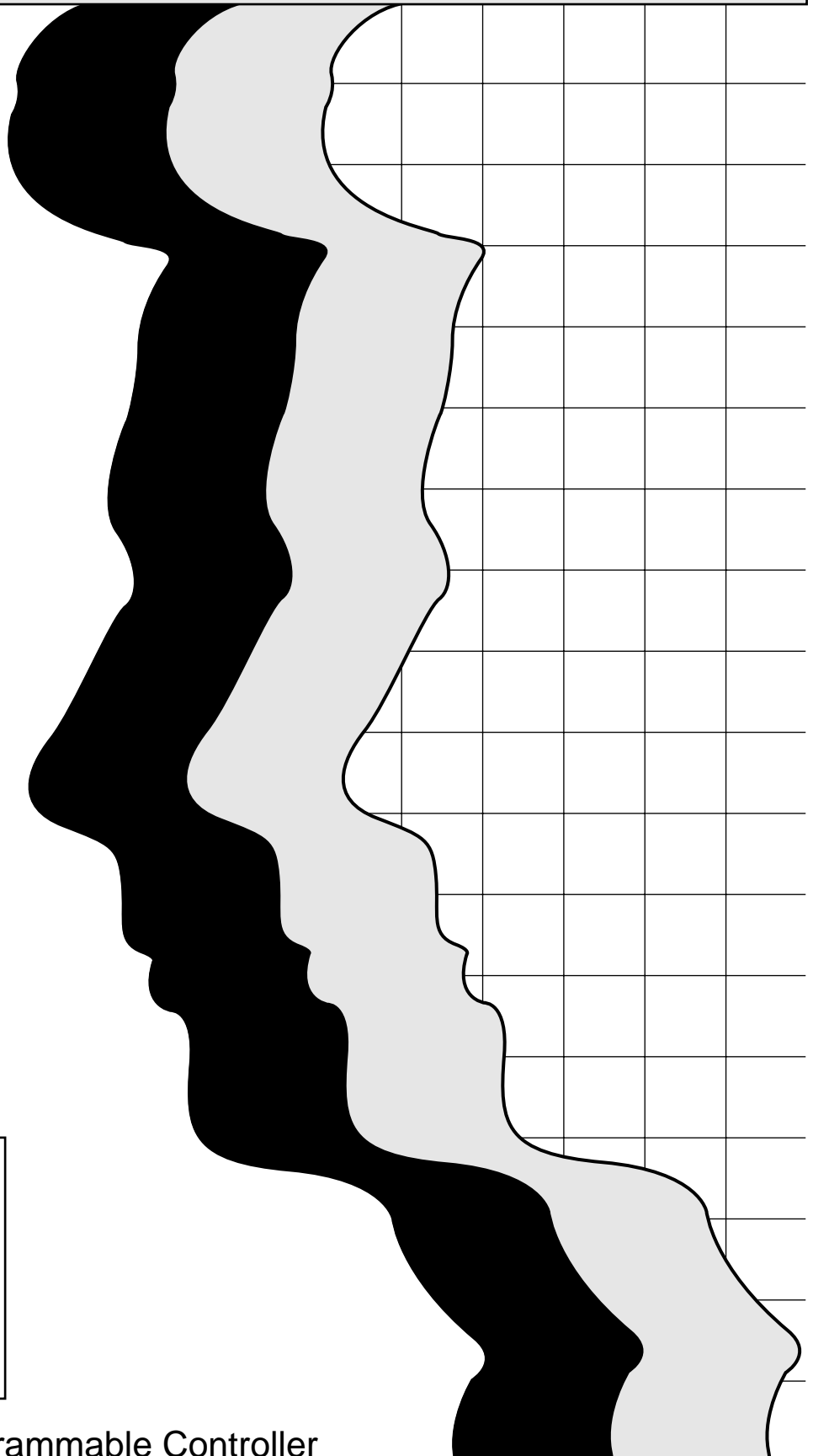


MITSUBISHI

Numeric key panel type A7GT-TK

User's Manual



Mitsubishi Programmable Controller

INTRODUCTION

Thank you for choosing the Mitsubishi MELSEC-A Series of General Purpose Programmable Controllers. Please read this manual carefully so that the equipment is used to its optimum. A copy of this manual should be forwarded to the end User.

REVISIONS

*The manual number is given on the bottom left of the back cover.

Print Date	*Manual Number	Revision
Oct., 1993	IB (NA) 66445-A	First edition

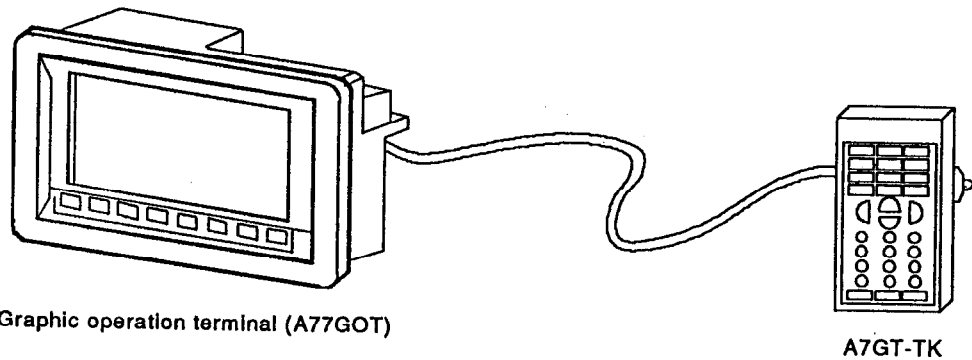
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1. GENERAL DESCRIPTION

This user's manual describes the specifications and handling of the A7GT-TK, and the method for connecting it to the graphic operation terminal. Please refer to the reference manual for the graphic operation terminal before following the directions in this manual.

The A7GT-TK is designed to be mountable to surfaces such as those of control panels. A special cable (which must be purchased separately) is connected between the A7GT-TK and the graphic operation terminal to enable data input exclusively to the graphic operation terminal.



Connecting Cable	Length
AC05NTP	50 cm (19.68 inch)
AC30NTP	3 m (118.11 inch)
AC300NTP	30 m (1181.1 inch)

2. SPECIFICATIONS

MELSEC-A

2. SPECIFICATIONS

(General Specifications)

Item	Specifications				
Operating ambient temperature	0 to 55 °C				
Storage ambient temperature	-20 to 75°C				
Operating ambient humidity	10 to 90% RH, no condensation				
Vibration resistance	To conform * to JIS C 0911	Frequency	Acceleration	Amplitude	Sweep count 10 sweeps (1 octave/minute)
		10 to 55Hz	—	0.075 mm (0.003 inch)	
		55 to 150 Hz	9.8 m/s ² (1 g)	—	
Shock resistance	Conforms to JIS C 0912* (98 m/s ² (10 g) ,3 times in 3 directions)				
Operating environment	No corrosive gases, and dust should be minimal				

*: JIS : Japanese Industrial Standard

(Performance Specifications)

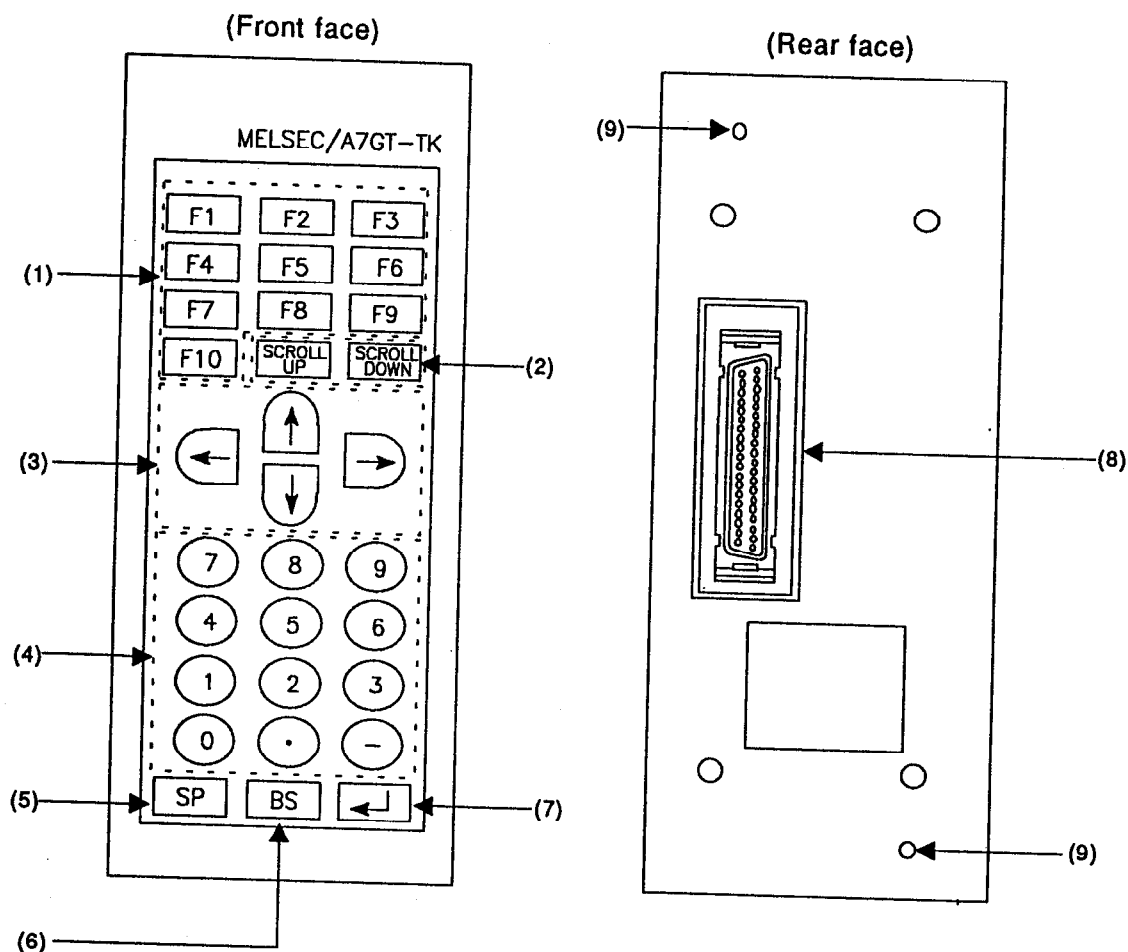
Item	Specification	
Applicable devices	A77GOT, A52GCPU, AD57G	
Power supply	Power supplied from the graphic operation terminal	
Applications	Key Input	
Keyboard	Number of keys	31
	Key types	Function keys, cursor keys, numeric keys, keys with special functions
	Keyboard type	Key sheet
	Keyboard life	200,000 strokes
	Repeat function	Depends on the graphic operation terminal
Online connection/disconnection	Not possible	
Dimensions mm (inches)	197 (H) x 70 (W) x 15 (D) (7.76 x 2.76 x 0.59)	
Weight kg (lb)	0.13 (0.29)	

* For details on the key codes for each of the keys, refer to the reference manual for the graphic operation terminal.

3. PART NAMES

MELSEC-A

3. PART NAMES



No.	Name	Function
(1)	Function keys	F1 to F3 : For system/user use F4 to F10 : For user use
(2)	SCROLL UP/DOWN keys	Used to move the alarm list display up or down.
(3)	Cursor keys	Used to move the text cursor in the directions indicated by the arrows.
(4)	Numeric keys	Used for data input.
(5)	SP key	Used to input a space or cancel an entry.
(6)	BS key	Used to delete the character last input.
(7)	[] (CR) key	Carriage return key
(8)	Connector	Use one of the following connectors for connection to the graphic operation terminal. <ul style="list-style-type: none"> • AC05NTP (50 cm [19.68 inch]) • AC30NTP (3 m [118.11 inch]) • AC300NTP (30 m [1181.1 inch])
(9)	Screw holes for mounting purposes (M4 screws)	When mounting the A7GT-TK on a surface such as a control panel, use M4 screws (not supplied). Range of tightening torque: 62 to 83.5 N·cm (6.3 to 8.5 kg·cm) [5.46 to 7.36 lb·inch]

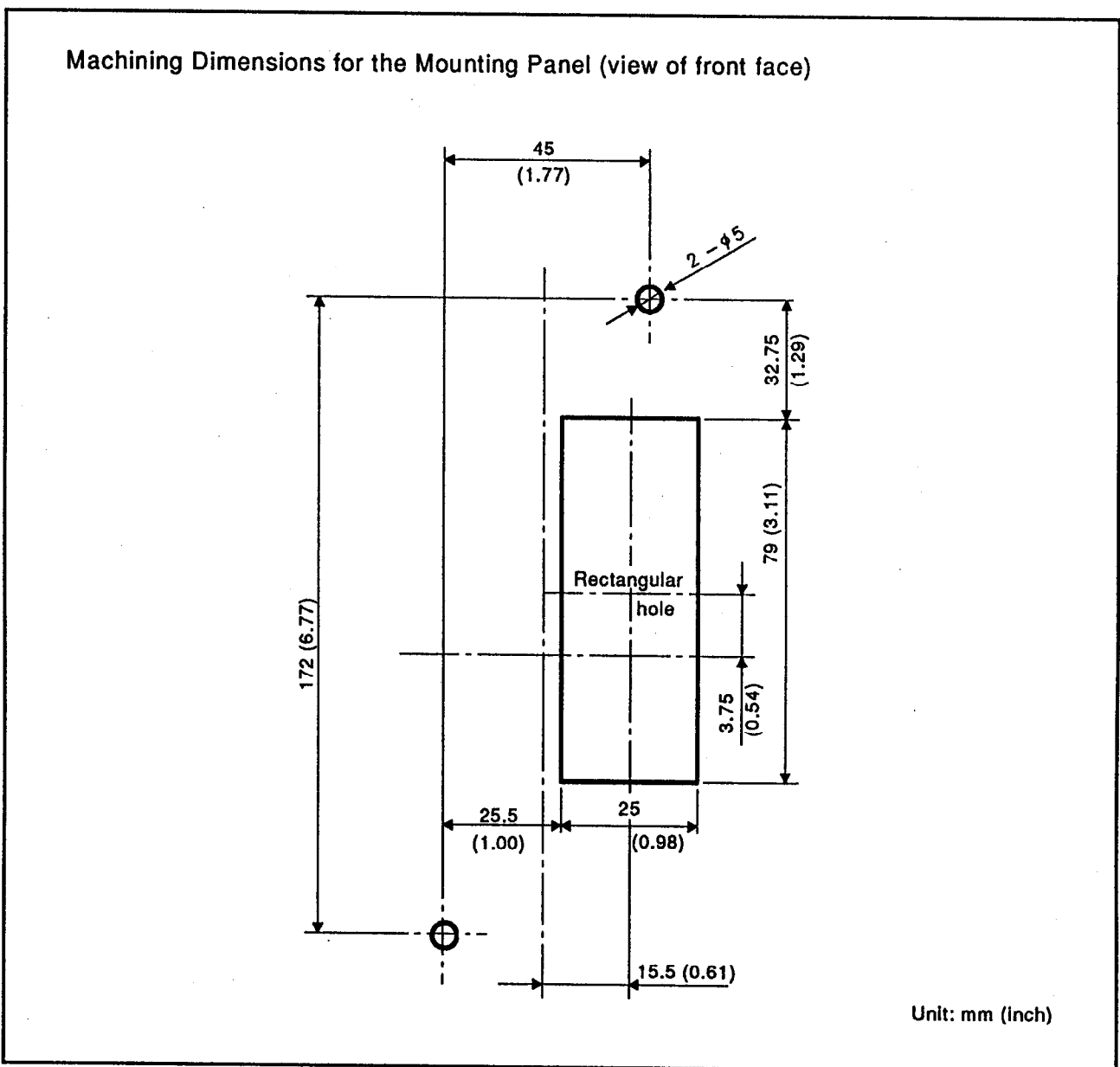
4. INSTALLATION

4.1 Cautions on Handling

- (1) The case of the A7GT-TK is made of resin; do not drop it or subject it to strong impact.
- (2) Do not remove the cover of the A7GT-TK. This may cause it to fail.

4.2 Machining Dimensions of the Mounting Panel

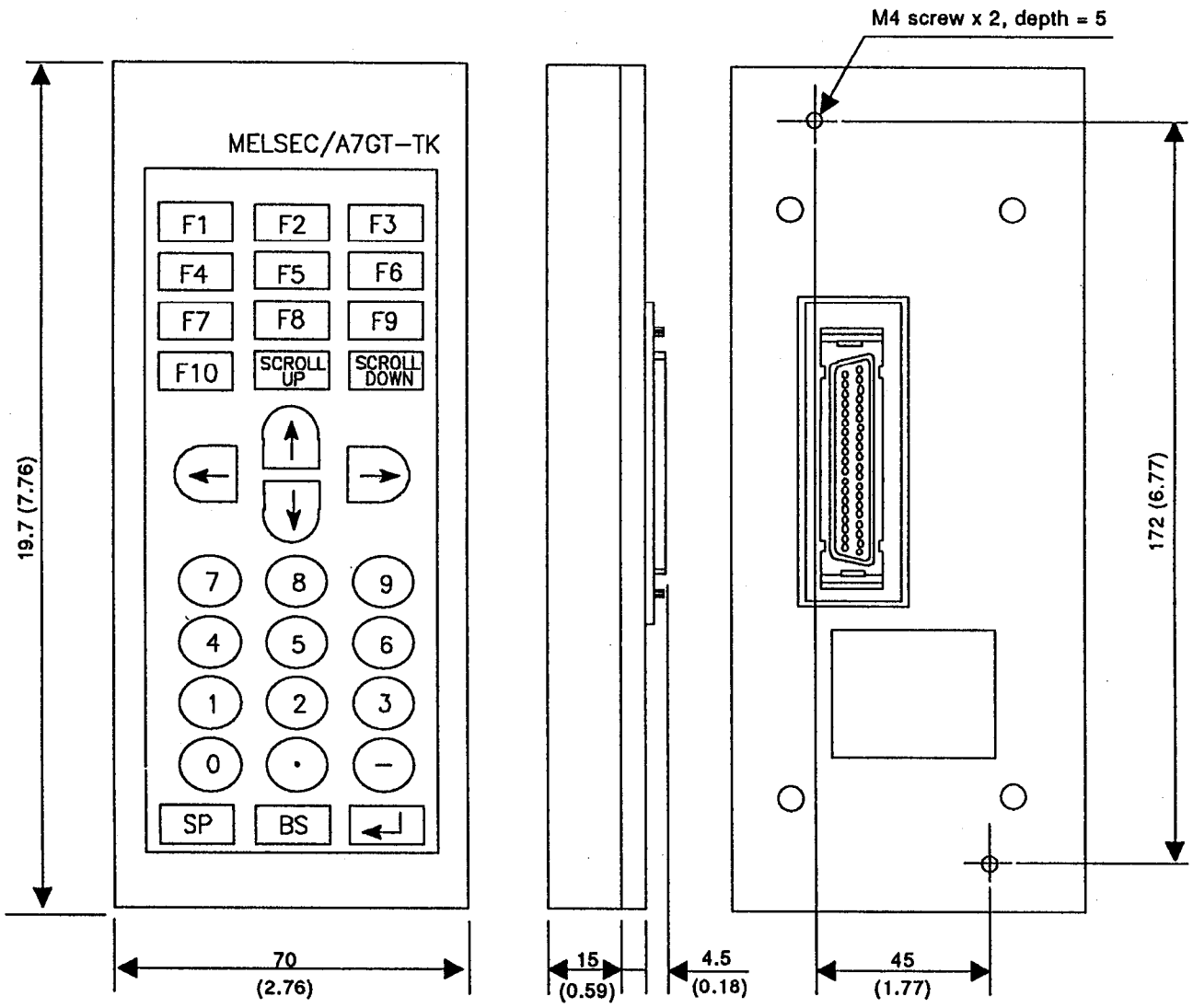
When the A7GT-TK is mounted to a control panel door or a mount made by the user, the door or mount must be machined to the dimensions indicated below.



5. DIMENSIONS

MELSEC-A

5. DIMENSIONS



Unit: mm (inch)

IMPORTANT

- (1) Design the configuration of a system to provide an external protective or safety interlocking circuit for the PCs.
- (2) The components on the printed circuit boards will be damaged by static electricity, so avoid handling them directly. If it is necessary to handle them take the following precautions.
 - (a) Ground your body and the work bench.
 - (b) Do not touch the conductive areas of the printed circuit board and its electrical parts with non-grounded tools, etc.

Under no circumstances will Mitsubishi Electric be liable or responsible for any consequential damage that may arise as a result of the installation or use of this equipment.

All examples and diagrams shown in this manual are intended only as an aid to understanding the text, not to guarantee operation. Mitsubishi Electric will accept no responsibility for actual use of the product based on these illustrative examples.

Owing to the very great variety in possible applications of this equipment, you must satisfy yourself as to its suitability for your specific application.

Numeric key panel type A7GT-TK

User's Manual

MODEL	A7GT-TK-U-E
MODEL CODE	13JE31
IB(NA)-66445-A(9310)MEE	

 **mitsubishi electric corporation**

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NAGOYA WORKS : 1-14 , YADA-MINAMI 5 , HIGASHI-KU, NAGOYA , JAPAN

When exported from Japan, this manual does not require application to the Ministry of International Trade and Industry for service transaction permission.

Specifications subject to change without notice.