

# Panel Mount HMI Speaker

Model: FA1-GT0S04W

New Product Release | No. 20-03E

The speaker supporting the sound output function of the GOT is now available!

## Improving the servicing/maintenance/work efficiency

Notifying important information by voice as well as by on-screen display



部品の交換時期が来ました。交換してください。

Replacement time. Replace the part.

需要更换部件。请进行更换。

부품의 교환시기가 됐습니다. 교환하십시오.

Es el momento de reemplazo. Reemplace la pieza.

### Easy to install

Attaching the speaker from the front and back of the panel completes the installation.  
The speaker and the GOT surfaces are flush with the panel surface.

### Easy to connect

One audio cable connects the GOT and the speaker (with a built-in amplifier).

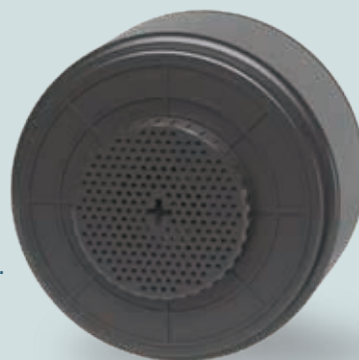
### Rugged

The speaker is suited for use in the factory environment.\*

### Volume control function

The volume can be adjusted in 10 levels (90 dB max.)  
depending on the worksite environment.

\*For the details, refer to the specifications.



Panel Mount HMI Speaker

FA Goods **e-Factory**



# Having problems?

I want to grasp the equipment status from a remote location.

**The sound output function of the GOT will solve the problems.**



I was unaware that the equipment was not in motion.



♪♪♪ (sound effect)

Replacement time.  
Replace the part.



A workpiece is jammed.  
Remove the workpiece.

The speaker notifies important information accurately to the operator away from the GOT. The servicing/maintenance/work efficiency will thus improve.  
(The sound output function works while the GOT is in screen saver mode.)

## ■ ■ ■ Various applications ■ ■ ■

### Changing the touch sounds depending on the conditions

#### Touch sounds that match the worksite



Operation starts.

Operation stops.

#### Touch sounds that match the operator's preference



Touched on.

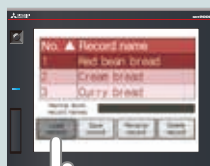
♪♪ (sound effect)

Switch pressed.

Touch sounds can be changed depending on the worksite and operator's preference.

### Using the speaker as voice guidance at pressing of a touch switch

Has the material loading been completed?



When a touch switch is pressed, the next operation and precautions are voiced, which prevents incorrect operation.

### Notifying necessary information accurately

**Japanese** ① エラーが発生しました。  
**English** ② An error occurred in this system.  
**Chinese** ③ 系统发生异常。  
(Simplified)



The announcement in multiple languages in order is available at a worksite where the operators speak in different languages.

### Registrable sounds

#### Messages

The speech synthesis function produces and outputs sound from any text.\*2  
The speaker (male/female), language, speaking speed, tone of voice, and volume can be selected in 6 languages.  
Supported languages

Male



Japanese

English

Chinese  
(Simplified)

Korean

Spanish

Female



Japanese

English

Chinese  
(Simplified)

Chinese  
(Traditional)

Korean

Spanish

#### Sound effect

#### Melody

Sound sources registered in GT Designer3 GOT screen design software

#### File

WAV format sound files

\*2: To register or update messages, the speech synthesis license (SW1DND-GTVO-M manufactured by Mitsubishi Electric Corporation) must be purchased and registered.

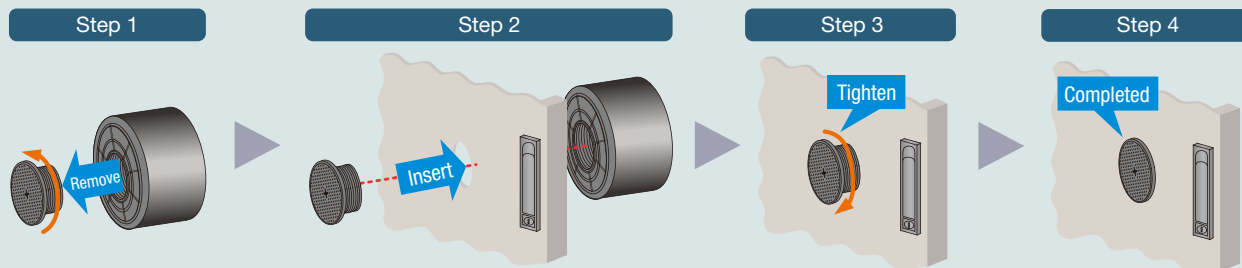
# Additional value to the equipment by using the GOT sound output function

**Sound output function** Outputting the sounds registered<sup>\*1</sup> in the GOT through the speaker

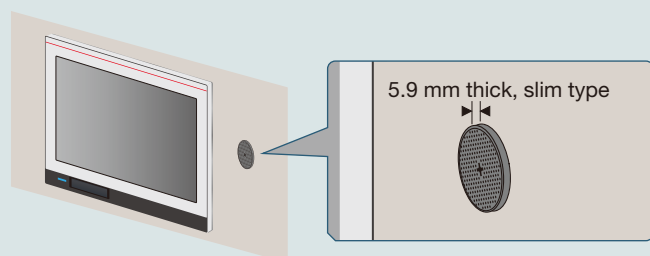
<sup>\*1</sup>: For registration, use GT Designer3 GOT screen design software (manufactured by Mitsubishi Electric Corporation).

## Easy to install

Attach the speaker from the front and back of the panel.



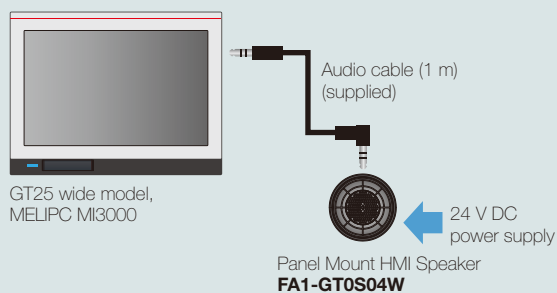
The speaker and the GOT surfaces are flush with the panel surface.



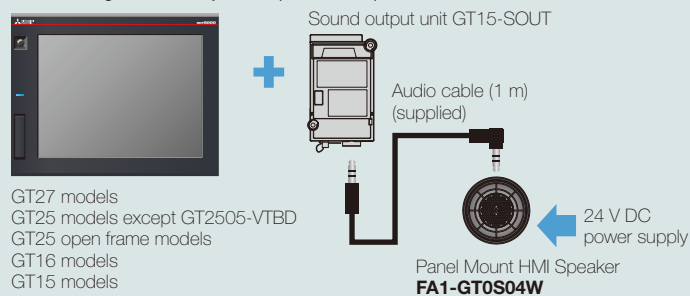
## Easy to connect

Easily connectable with a GOT or MELIPC MI3000 using the audio cable

For the GOTs with a sound output interface



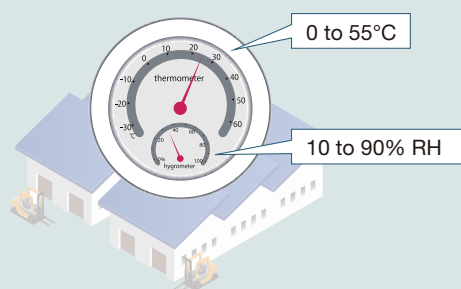
For mounting a sound output unit (GT15-SOUT) on the extension interface of the GOT



## Rugged

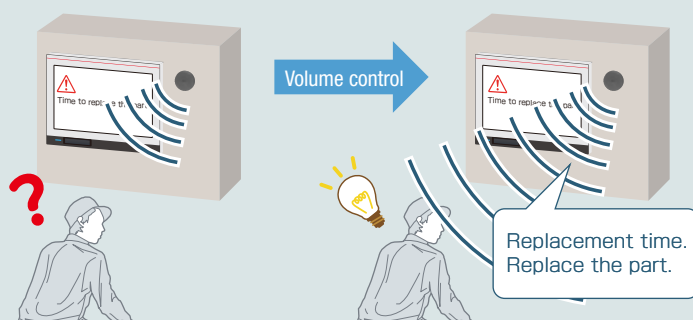
Usable at factory temperature and humidity

For the details, refer to the specifications.



## Volume control function

The volume is adjustable in 10 levels (90 dB max.) depending on the noise environment.

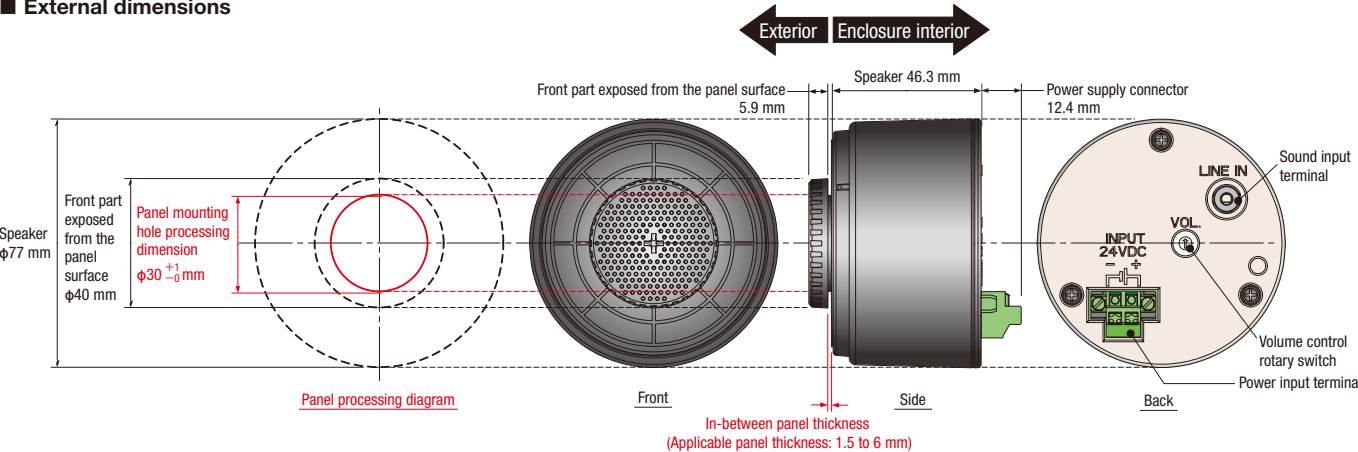


Product specifications

Item		Specifications			
Operating ambient temperature		0 to 55°C			
Operating ambient humidity		10 to 90% RH, non-condensing			
IP protection level		IP2X			
Weight		175 g			
Installation	Installation method	Interposing the panel			
	Installation hole processing dimensions	φ30 $\pm$ 1 mm			
	Applicable panel thickness	1.5 to 6 mm			
Power supply to the built-in amplifier	Power supply voltage	24 V DC +20%, -15%			
	Current consumption	0.28 A			
	Wiring method	Wiring to the supplied power supply connector			
	Applicable wire size	0.2 to 2.5 mm <sup>2</sup> (AWG 12 to 24)			
	Applicable ferrule terminal, tool	Applicable wire size (mm <sup>2</sup> /AWG)	Applicable ferrule terminal type (sleeve length)	Crimping tool model	Manufacturer
		0.25/24	Al 0,25-10 YE (10 mm), Al 0,25-8 YE (8 mm)	CRIMPFOX 6	PHOENIX CONTACT GmbH & Co. KG
		0.3, 0.34/22	Al 0,34-10 TQ (10 mm), Al 0,34-8 TQ (8 mm)		
		0.5/20	Al 0,5-10 WH (10 mm), Al 0,5-8 WH (8 mm)		
		0.75/18	Al 0,75-10 GY (10 mm), Al 0,75-8 GY (8 mm)	206-220	WAGO Company of Japan, Ltd
		0.08 to 0.34/28 to 22	216-302 (8 mm)		
0.34/24, 22		216-302 (8 mm)			
0.5/22, 20		216-201 (8 mm)			
0.75/20, 18		216-202 (8 mm)	206-1204		
Sound	Input terminal	φ3.5 minijack			
	Maximum output	3.5W			
	Sound pressure level	90 dB max. at 1 m <sup>*1</sup> Equivalent to the noise of railroad underpasses			
	Volume control	10 levels (Use the rotary switch of the speaker.)			
Connectable GOTs (manufactured by Mitsubishi Electric Corporation)	GOT2000 series	GT25 wide models with a built-in sound output interface		Sound output unit (GT15-SOUT) needs to be mounted on the extension interface.	
		GT27 models			
		GT25 models except GT2505-VTBD			
GOT1000 series	GT25 open frame models				
	GT16 models				
Connectable MELIPCs (manufactured by Mitsubishi Electric Corporation)	MELIPC series	GT15 models			
		MELIPC MI3000 with a built-in sound output interface			
		MELIPC MI5000, MI1000			
Applicable standard		CE, KC			
		HDMI splitter with an aux. port needs to be connected.			

\*1: For GT25 wide models: The sound pressure level varies with the sound source and usage environment.

External dimensions



Packing list

Name	Model	Remarks
Panel Mount HMI Speaker	FA1-GT0S04W	Speaker, audio cable (1 m), power supply connector, cable clamp, user's manual

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