Digital Display

A Series of Three- to Five-digit Digital **Display Units with a Character Height of** 14 mm. Models available with either red or green displays.

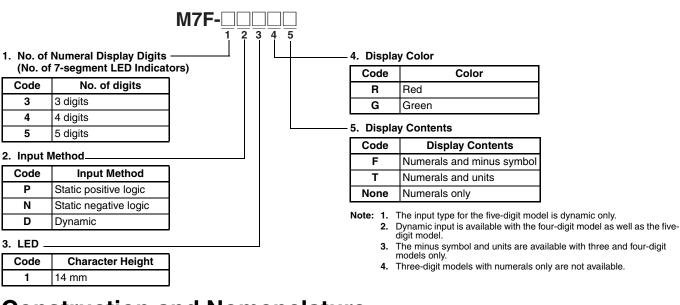
- · Red or green displays with a character height of 14 mm are available for a variety of applications and locations.
- · Miniature design with a 50-mm depth.
- Incorporating a connector, thus saving wiring effort.
- · Connecting to OMRON's PLCs via dedicated PLC cables (sold separately).
- Units and minus symbols are displayed (three- and four-digit model only).
- Incorporating a zero suppression function.
- The power supply can freely change between 12 and 24 VDC.
- CE Marking. UL certification approval.





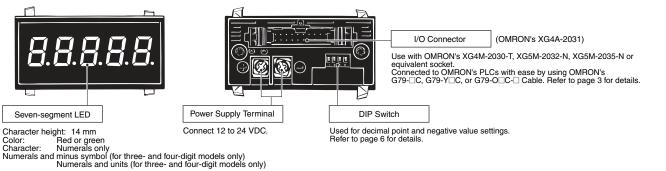
Model Number Structure

Model Number Legend



Construction and Nomenclature

Nomenclature



OMRON

Ordering Information

■ List of Models

No. of digits	Appearance	Display color	Input method	Logic	Display contents	Model
3	AT THE REAL OF	Red	Static	Positive	Numerals and minus symbol	M7F-3P1RF
					Numerals and units	M7F-3P1RT*
	8.8.8			Negative	Numerals and minus symbol	M7F-3N1RF
					Numerals and units	M7F-3N1RT*
		Green	Static	Positive	Numerals and minus symbol	M7F-3P1GF
					Numerals and units	M7F-3P1GT*
				Negative	Numerals and minus symbol	M7F-3N1GF
					Numerals and units	M7F-3N1GT*
4	A	Red	Static	Positive	Numerals only	M7F-4P1R
					Numerals and minus symbol	M7F-4P1RF
	a. 8. 8. 8.				Numerals and units	M7F-4P1RT*
				Negative	Numerals only	M7F-4N1R
					Numerals and minus symbol	M7F-4N1RF
					Numerals and units	M7F-4N1RT*
			Dynamic	Positive	Numerals only	M7F-4D1R
					Numerals and minus symbol	M7F-4D1RF
					Numerals and units	M7F-4D1RT*
		Green	Static	Positive	Numerals only	M7F-4P1G
					Numerals and minus symbol	M7F-4P1GF
					Numerals and units	M7F-4P1GT*
				Negative	Numerals only	M7F-4N1G
					Numerals and minus symbol	M7F-4N1GF
					Numerals and units	M7F-4N1GT*
			Dynamic	Positive	Numerals only	M7F-4D1G
					Numerals and minus symbol	M7F-4D1GF
					Numerals and units	M7F-4D1GT*
5	- Stiller	Red	Dynamic	Positive	Numerals only	M7F-5D1R
	88888	Green	Dynamic	Positive	Numerals only	M7F-5D1G

Accessories (Order Separately)

Unit Plate

• Choose the required unit plate from the following tables in order to attach it to the Unit Display Unit.

- Unit Plates are replaceable.
- Ten Unit Plates are sold as a set. (The
- number per set is the same for all models.) • The characters are white.

Display contents	Single item (sheet only): 1 Set of 10 sheets
Blank display	M7F-1
rpm	M7F-RPM-1
%	M7F-PER-1
kg	M7F-KG-1
mm	M7F-MM-1
m	M7F-M-1
°C	M7F-DOC-1
pcs	M7F-PCS-1

Connectable PLCs

M7	'F model	PLC's output method								
		Static	Dynamic							
Input	Logic input	PNP output	NPN output	output						
Static	Positive	0	×	×						
	Negative	×	0	х						
Dynamic		×	×	О						

O: Connectable (See note 1.)

 \times : Not connectable

Note: 1. External resistance not required

2. Refer to External Connections on page 9 for details.

Compatibility with OMRON PLCs (Examples)

PLC Output Unit	M7F model
CS1W-OD211 C200H-OD215/218/219 C500-OD213 CQM1-OD213	M7F-□N□□
CS1W-OD212 C500-OD212	M7F-□P□□
C200H-OD215	M7F-DDD

M7F

Cables

Use the following cables and connectors to connect the M7F to the PLC or other devices.

Model name	Application	Appearance	Ordering Information
G79-□C Cable with Connectors (1 to 1)	Connects the M7F and a single device. Applicable PLC Output Units: C500-OD415CN, C200H-OD215, and C200H-MD215 (Output Units incorporating a 24-pin connector each)		L Dimensions Model 1,000 mm G79-100C 1,500 mm G79-150C 2,000 mm G79-200C 3,000 mm G79-300C 5,000 mm G79-500C
G79-O□C-□ Cable with Connectors (1 to 2)	Connects the M7F and two devices. Suitable Output Units: C500-OD213, C200H-OD218, C200H-OD219, CQM1-OD213, CS1W-MD261, CJ1W-OD231, and CJ1W-OD261 (Output Units incorporating a 40-pin connector each)	OMFION'S C500-CE403 (Fujitsu'S FCN-36 (Fujitsu'S FCN-36 Define) PLC PLC Briaght length (with no bend)	L Dimensions For output A B Model 1,000 mm 750 mm G79-O100C-75 1,500 mm 1,250 mm G79-O150C-125 2,000 mm 1,750 mm G79-O200C-175 3,000 mm 2,750 mm G79-O300C-275 5,000 mm 4,750 mm G79-O500C-475
G79-Y□C Cable with Crimp-style Terminals	Ideal for the connection of the M7F to devices incorporating screw terminals. Suitable Output Units: CS1W-OD211, CS1W-OD212, C200H-OD212, and C500-OD412	Device + M7F side + M7F OMRON'S XG4M-2030-T	L DimensionsModel1,000 mmG79-Y100C1,500 mmG79-Y150C2,000 mmG79-Y200C3,000 mmG79-Y300C5,000 mmG79-Y500C

Specifications

■ Applicable EN Standards

	Standards
EN61326	
EN60529	
UL61010-1	

Ratings

r									
Rated power	supply		12 to 24 VDC						
Allowable vo	Itage fluctu	ation range	90% to 110% of rated voltage						
Current cons	umption		200 mA max. (at 12 VDC)						
			100 mA max. (at 24 VDC)						
Input level	Static input	Positive	High: 9.6 V to power supply voltage Low: 0 to 3 V						
		Negative	High: 4 V to power supply voltage Low: 0 to 1.5 V						
	Dynamic input	Positive (See note.)	High: 4 V to power supply voltage Low: 0 to 1.5 V						
Ambient tem	perature		Operating: -10 to 55°C (with no icing or condensation) Storage: -25 to 65°C (with no icing o condensation)						
Ambient hum	nidity		Operating: 35% to 85% (with no icing or condensation)						

Note: Use an NPN open collector for the output of the connection device. The data signal, however, is positive logic and the strobe signal is negative logic.

■ Characteristics

Insulation resistance	100 $M\Omega$ min. (at 500 VDC) between each terminal and mounting panel								
Dielectric strength	I,000 VAC, 50/60 Hz for 1 min between each terminal and mounting panel								
Noise immunity (See note.)	Power terminal: ±500 V (normal mode) ±1,500 V (common mode) I/O cable: ±800 V (when the specified cable is used)								
Vibration resistance	Destruction: 10 to 55 Hz, 1.5-mm double amplitude 10 sweeps of 5 min each in X, Y, and Z directions								
Shock resistance	Malfunction: 300 m/s ² 3 times each in 6 directions on X, Y, and Z axes								
Degree of protection	IEC IP40 (front panel only)								

Note: Impulse conditions:

1 ns +10% max.
100 ns, 1 μs
100 Hz
Positive or negative
OMRON's G79-100C

Operation

■ Input Codes

Numeric Display

Positive Logic Static Input (M7F-□P□□□)

								Input	signa								Dis	splay o	condit	ion
		10 ³	digit			10 ²	digit			10 ¹	digit			10º	digit					
Terminal no.	(18)	17	(16)	(15)	(14)	(13)	(12)	(1)	8	7	6	5	4	3	2	1				
Terminal symbol	D4	C4	В4	A 4	D3	C3	B3	A3	D2	C2	B2	A2	D1	C1	B1	A1	10 ³ digit	10 ² digit	10 ¹ digit	10⁰ digit
Input signals	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	0	۵	۵	0
	L	L	L	Н	L	L	L	Н	L	L	L	Н	L	L	L	Н	1	1	1	- 1
	L	L	Н	L	L	L	Н	L	L	L	Н	L	L	L	Н	L	2	2	2	2
	L	L	Н	Н	L	L	Н	Н	L	L	Н	Н	L	L	Н	Н	3	3	3	3
	L	Н	L	L	L	Н	L	L	L	Н	L	L	L	Н	L	L	ч	ч	ч	ч
	L	Н	L	Н	L	Н	L	Н	L	Н	L	Н	L	Н	L	Н	5	5	5	5
	L	Н	Н	L	L	Н	Н	L	L	Н	Н	L	L	Н	Н	L	8	8	δ	δ
	L	Н	Н	Н	L	Н	Н	Н	L	Н	Н	Н	L	Н	Н	Н	7	7	7	7
	Н	L	L	L	Н	L	L	L	Н	L	L	L	Н	L	L	L	8	8	8	8
	Н	L	L	Н	Н	L	L	Н	Н	L	L	Н	Н	L	L	Н	3	3	3	3
	Н	L	Н	L	Н	L	Н	L	Н	L	Н	L	Н	L	Н	L	8	8	8	8
	Н	L	Н	Н	Н	L	Н	Н	Н	L	Н	Н	Н	L	Н	Н	Ь	Ь	Ь	Ь
	Н	Н	L	L	Н	Н	L	L	Н	Н	L	L	Н	Н	L	L	2	[[2
	Н	Н	L	Н	Н	Н	L	Н	Н	Н	L	Н	Н	Н	L	Н	d	d	d	d
	Н	Н	Н	L	Н	Н	Н	L	Н	Н	Н	L	Н	Н	Н	L	ε	ε	ε	ε
	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	۶	۶	۶	۶

Negative Logic Static Input (M7F-□N□□□)

								Input	signal								Dis	splay o	condit	ion	
		10 ³ (digit			10 ²	digit			10 ¹	digit			10 ⁰	digit						
Terminal no.	18	17	(16)	(15)	(14)	(13)	(12)	(1)	8	7	6	5	4	3	2	1					
Terminal symbol	D4	C4	В4	A 4	D3	C3	B3	A3	D2	C2	B2	A2	D1	C1	B1	A1	10 ³ digit	10 ² digit	10 ¹ digit	10º digit	
Input signals	Η	Η	Н	Н	н	н	н	Н	H	Н	H	Н	Н	Н	Н	Н	۵	8	۵	0	
	Η	Η	Н	L	н	н	н	L	H	Н	H	L	Н	Н	Н	L	1	1	1	- 1	
	H	Η	L	Н	н	н	L	Н	H	Н	L	Н	Н	Н	L	Н	2	2	2	2	
	Н	Н	L	L	H	H	L	L	H	Н	L	L	Н	Н	L	L	3	3	3	3	
	Н	L	Н	Н	H	L	H	Н	H	L	H	Н	Н	L	Н	Н	Ч	ч	ч	Ч	
	Н	L	Н	L	H	L	H	L	H	L	H	L	Н	L	Н	L	5	5	5	5	
	Н	L	L	Н	H	L	L	Н	H	L	L	Н	Н	L	L	Н	8	8	6	б	
	Н	L	L	L	Н	L	L	L	Н	L	L	L	Н	L	L	L	7	7	7	7	
	L	Н	Н	Н	L	Н	Н	Н	L	Н	Н	Н	L	Н	Н	Н	8	8	8	8	
	L	Н	Н	L	L	Н	Н	L	L	Н	Н	L	L	Н	Н	L	3	9	3	3	
	L	Н	L	Н	L	Н	L	Н	L	Н	L	Н	L	Н	L	Н	8	8	R	8	
	L	Н	L	L	L	Н	L	L	L	Н	L	L	L	Н	L	L	Ь	Ь	Ь	Ь	
	L	L	Н	Н	L	L	Н	Н	L	L	Н	Н	L	L	Н	Н	Ľ	Ľ	[Ľ	
	L	L	Н	L	L	L	H	L	L	L	H	L	L	L	Н	L	d	d	d	d	
	L	L	L	Н	L	L	L	Н	L	L	L	Н	L	L	L	Н	Ε	Ε	ε	Ε	
	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	F	F	۶	۶	

Dynamic Input (M7F-DDDD)

-		•			'									
				Inp	out sig	nal					Displa	ay con	dition	
Terminal no.	4	3	2	1	1	(12)	(13)	(14)	(15)					
Terminal symbol	D	С	В	Α	S0	S1	S2	S3	S4	10 ⁴ digit	10 ³ digit	10 ² digit	10 ¹ digit	10º digit
Input signals	L	L	L	L	L	Н	Н	Н	Н	*	*	*	*	0
	L	L	L	Н	Н	L	Н	Н	Н	*	*	*	1	*
	L	L	Н	L	Н	Н	L	Н	Н	*	*	2	*	*
	L	L	Н	Н	Н	Н	Н	L	Н	*	3	*	*	*
	L	Н	L	L	Н	Н	Н	Н	L	Ч	*	*	*	*
	L	Н	L	Н	L	Н	Н	Н	Н	*	*	*	*	5
	L	Н	Н	L	Н	L	Н	Н	Н	*	*	*	8	*
	L	Н	Н	Н	Н	Н	L	Н	Н	*	*	7	*	*
	Н	L	L	L	Н	Н	Н	L	Н	*	8	*	*	*
	Н	L	L	Н	Н	Н	Н	Н	L	3	*	*	*	*
	Н	L	Н	L	L	Н	Н	Н	Н	*	*	*	*	8
	Н	L	Н	Н	Н	L	Н	Н	Н	*	*	*	Ь	*
	Н	Н	L	L	Н	Н	L	Н	Н	*	*	Ľ	*	*
	Н	Н	L	Н	Н	Н	Н	L	Н	*	d	*	*	*
	Н	н	Н	L	Н	Н	Н	н	L	ε	*	*	*	*
	Н	Н	Н	Н	L	Н	Н	Н	Н	*	*	*	*	۶

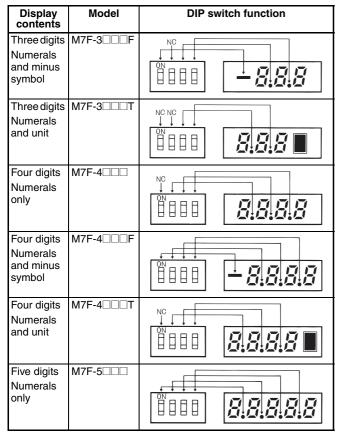
The data of S0 to S4 when S0 to S4 are high before S0 to S4 become low will be held and displayed. Refer to *Operation Timing (Input Signal Timing)* on page 12 and *Operation Chart* on page 12 for details.

Unit Display

The displays are lit when voltage is supplied to the power supply terminals (positive and negative terminals).

Minus Symbol and Decimal Point

The DIP switch is used for minus symbol and decimal point settings as shown in the following table.

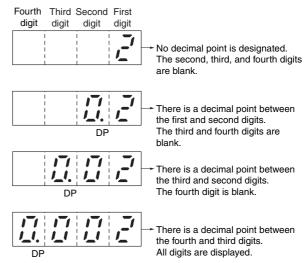


Note: 1. The minus symbol and decimal point are always lit when the corresponding pins of the DIP switch are set to ON.

2. "NC" means "not connected".

Zero Suppression Function

The Unit has a function for blanking (i.e., turning OFF the display) to not display **2** when the leftmost digits are zero. When DP (decimal point) has been displayed using the DIP switch, the digits to the left of the decimal point display digit will be blank as shown in the following figure.

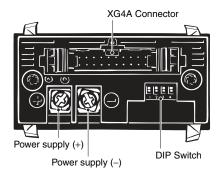


Note: The zero suppression function is normally operating.

M7F

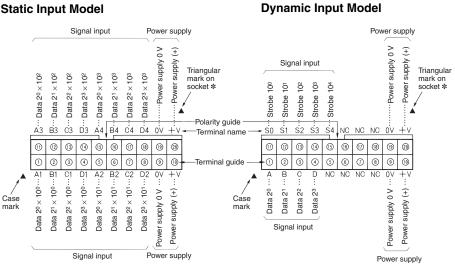
Terminal Arrangement/Functions

Terminal Arrangement



XG4A Connector

Static Input Model



- Note: 1. Circled numbers are for the user's convenience. When preparing a socket, pay attention when wiring the terminals to the direction of the polarity guide.
 - 2. The triangular mark (() on the M7F case indicates the start of the M7F terminal numbers. It does not line up with the triangular mark (\blacktriangle) on the connector. Incorrect wiring may cause a short-circuit in the sequence output section, which could damage it.
- * This is the location of the triangular mark on the XG4M-2030 Socket that is attached to the Cable.

Terminal Functions

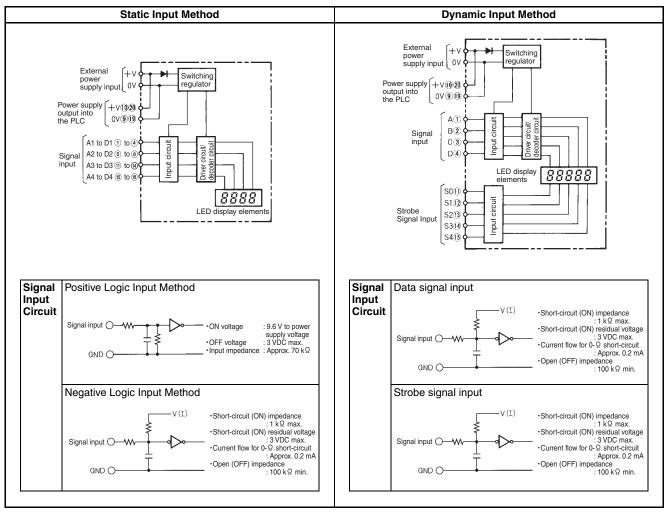
Input method	Terminal symbol	Name	Function		
Static input	A1 B1 C1 D1	First digit (10º) data input	A1 (2 ⁰) B1 (2 ¹) C1 (2 ²) D1 (2 ³)	The numeral or symbol corresponding to the binary code signal will be displayed as the first digit (10 ⁰).	
	A2 B2 C2 D2	Second digit (10 ¹) data input	A2 (2 ⁰) B2 (2 ¹) C2 (2 ²) D2 (2 ³)	The numeral or symbol corresponding to the binary code signal will be displayed as the second digit (10 ¹).	
	A3 B3 C3 D3	Third digit (10²) data input	A3 (2 ⁰) B3 (2 ¹) C3 (2 ²) D3 (2 ³)	The numeral or symbol corresponding to the binary code signal will be displayed as the third digit (10 ²).	
	A4 B4 C4 D4	Fourth digit (10 ³) data input	A4 (2 ⁰) B4 (2 ¹) C4 (2 ²) D4 (2 ³)	The numeral or symbol corresponding to the binary code signal will be displayed as the fourth digit (10 ³).	
	+V	Power supply	Power supply	and output terminal	
	0 V	Power supply	Power supply	0-V output terminal (GND)	
Dynamic input	A B C D	Data input	A (2 ⁰) B (2 ¹) C (2 ²) D (2 ³)	Displays the numeral or symbol corresponding to the binary code signal.	
	S0 S1 S2 S3 S4	Control input	S0 (10 ⁰) S1 (10 ¹) S2 (10 ²) S3 (10 ³) S4 (10 ⁴)	Designates the digit to be displayed. Each digit will maintain the previous value when this signal is input.	
	+V	Power supply	Power supply and output terminal		
	0 V	Power supply	Power supply	0-V output terminal (GND)	

DIP Switch Function

The DIP switch is used for symbol and decimal point settings. Refer to Terminal Arrangement, above, for details.

Block Diagram

Note: Circled numbers are the connector pin numbers.



External Connections

Refer to *Block Diagram* on page 8 and *Terminal Arrangement* on page 7 for external connections for the M7F according to the signal input method.

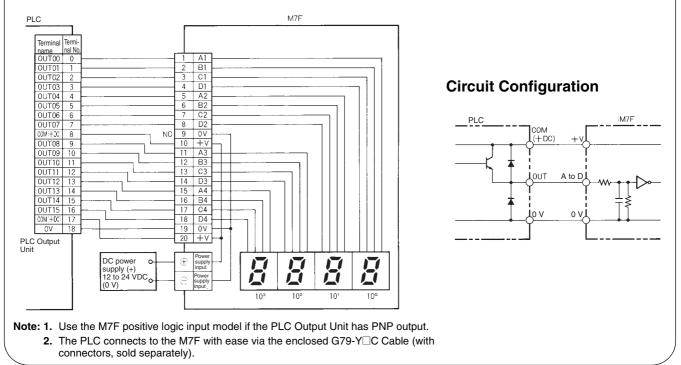
PLC Connections

- Refer to your PLC operation manual before connecting the PLC.
- The M7F connects to the PLC without using any external resistor.
- It is necessary to select the correct input method of the M7F according to the output method of the PLC Output Unit. Refer to *Connectable PLCs* on page 2 for details on the selection of the correct input method.
- A PLC Dynamic Output Unit can be used to save wiring. Use a dynamic input model (M7F-DD-).

-With PLC Static Output Unit -

1. M7F-DDDD Static Positive Logic Input Model

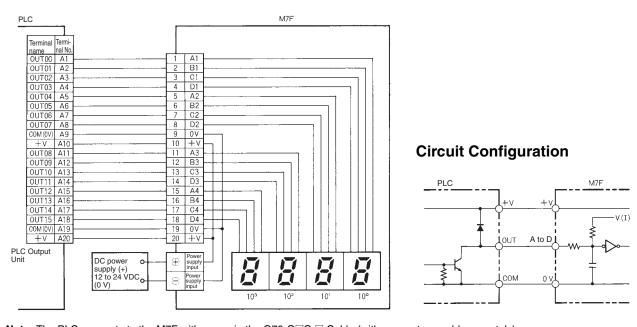
Connected to C500-OD212 Output Unit



M7F



1. Connected to C500-OD213 Output Unit

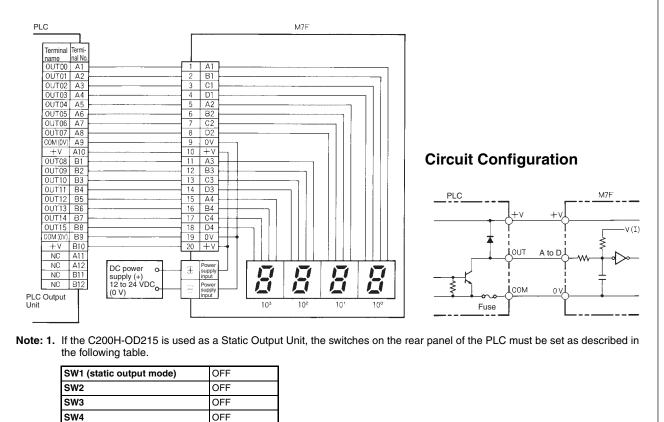


Note: The PLC connects to the M7F with ease via the G79-O C- Cable (with connectors, sold separately). (The above example indicates 1 to 1 connection.)

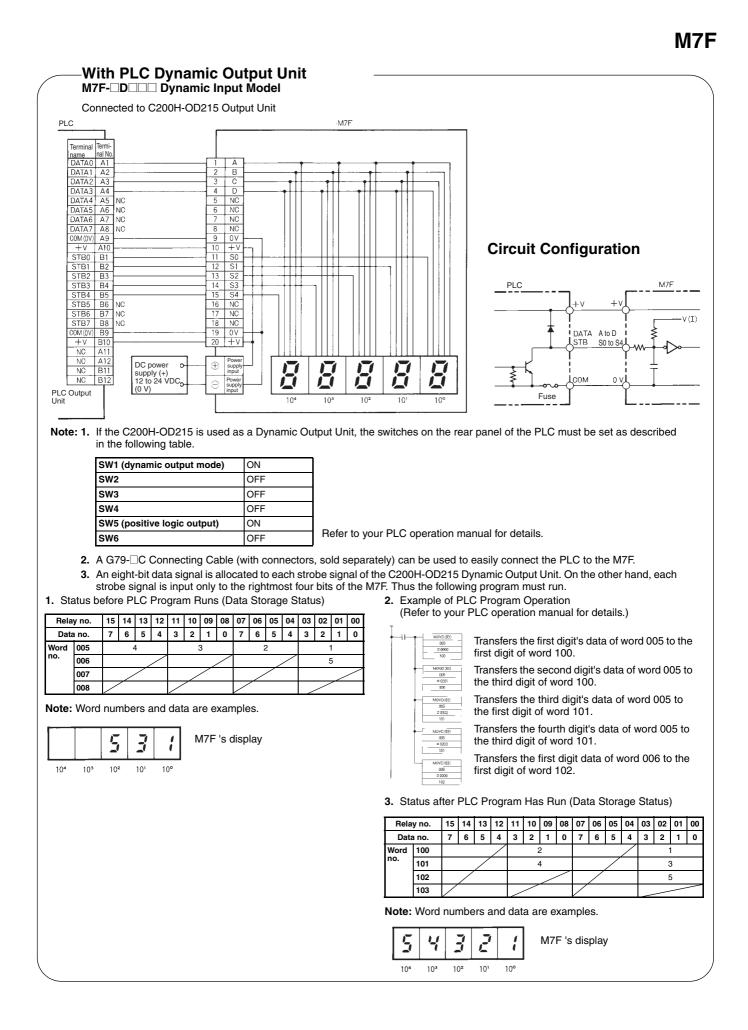
2. Connected to C200H-OD215 Output Unit

SW5 (negative logic output)

OFF

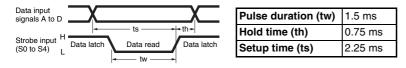


Refer to your PLC operation manual for details.



Operation Timing (Input Signal Timing)

Dynamic Input Method (M7F-DDDD)



Operation Chart

Dynamic Input Method (M7F-DDDD)

The following example shows the relationship between each input terminal and the display condition. (Example: 5-digit)

Data input signals (A to D)			Data contents	5	3		8	9	
Strobe input signals	1 st digit (S0)	digit H D) L Data late		Data read	1 1 1	Data	latch	I I I I	Data input signals
	2 nd digit (S1)	H L		Data latch	Data read Data latch			 	
	3 rd digit H (S2) L			Data latch	 	Data read	Data	latch	S0 S1 S2 S3 S4,
	4 th digit H (S3) L			Data latch		Data read Data latch		- Strobe input signals	
	5 th digit (S4)	H L			Data latch			Data read	
Display condition			Ū	1st-digit display change	2nd-digit display change	3rd-digit display change	4th-digit display change	5th-digit display change	A numeric value is displayed one digit at a time via data signals A to D.

Dimensions

Note: All units are in millimeters unless otherwise indicated.

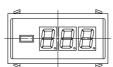
LED

M7F-00100

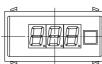


The M7F-4 \Box 1 \Box is illustrated.



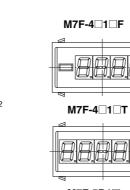


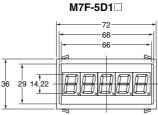


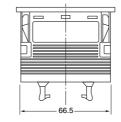


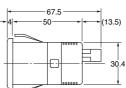


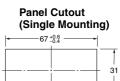
4	
4	



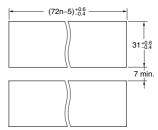








(Side-by-side Mounting)



Panel thickness: 1 to 6 mm n: Number of Units mounted

Safety Precautions

Tighten the screws on the terminal block securely using the recommended tightening torque of 0.29 to 0.49 N·m. Loose screws may occasionally cause fire, resulting in minor or moderate injury, or damage to the equipment.



■ Precautions for Safe Use

• Do not use or store the product in the following locations.

- · Locations subject to direct radiant heat from heating equipment
- Locations where the product may come into contact with water, oil, or salt water
- · Locations subject to direct sunlight
- Locations where dust or corrosive gases (in particular, sulfuric or ammonia gas) are present
- · Locations subject to extreme temperature changes
- · Locations where icing or condensation may occur
- · Locations subject to excessive shocks or vibration
- Locations subject to temperatures or humidity outside the specified range
- · Locations outdoors or exposed to wind or rain
- · Locations subject to static electricity or noise
- Do not use the product in locations subject to temperatures outside the specified ranges or in locations subject to condensation. If the product is installed in a panel, be sure that the temperature around the product (not the temperature around the panel) does not go outside the specified range. The life of components is dependent on the temperature. The life of components shortens when the temperature rises, and it lengthens when the temperature falls. The life of components can be lengthened by lowering the temperature inside the product.
- Do not install the product near devices generating strong high frequency waves or surges. When using a noise filter, check the voltage and current and install it as close to the product as possible.
- Do not touch terminals or perform wiring while power is supplied to the product. Doing so may result in injury or malfunction.
- Do not touch the terminals while power is being supplied. Doing so may result in product failure or malfunction.
- When tightening the terminals or connecting connectors, support the product with one hand to prevent it from being pushed out of the front of the panel.
- Wire to the correct terminal number. Incorrect wiring may result in damage to or burning of components.
- Be sure power supplies and power lines for control power supply and inputs have appropriate specifications. Not using power supplies and power lines with appropriate specifications may result in malfunction, burning, or electric shock.
- Do not attempt to disassemble, repair, or modify the product. Doing so may occasionally result in minor or moderate injury.
- Do not allow pieces of metal, wire clippings, or fine metallic shavings or filings to enter the product. Doing so may occasionally result in fire or product failure.
- For DC input, use an SELV power supply with overcurrent protection. Specifically, use an SELV power supply with double or reinforced insulation between input and output, and an output voltage of 30 Vrms with 42.2 V peak or 60 VDC maximum. Recommended power supply: S8VS-06024
 (OMRON product)

Precaution for Correct Use

Wiring

- Do not tighten the power supply terminals with excessive force when wiring. Doing so may damage the terminals. Tighten each of them to a torque of 0.29 to 0.49 N·m.
- Do not impose excessive force on the rear panel when tightening the terminals of the M7F or connecting a connector to the M7F.
- When tightening the terminals of the M7F or connecting a connector to the M7F, hold the displays by hand, otherwise the displays may protrude from the case.

Environment

When using the M7F in places with dust, metal powder, or sprayed oil, be sure to take appropriate measures so that no dust, metal powder, or sprayed oil will penetrate the interior of the Display Units.

Mounting

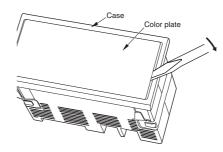
- When panel-mounting, make sure that the side of the case marked "TOP" is upward.
- When panel-mounting, do not press the central part of the displays, otherwise the displays may be damaged. Press the flange part.

Connections

- If power will be supplied to the M7F from the PLC's I/O service power supply, make sure that the current consumption of the M7F does not exceed the rated capacity of the service power supply.
- It is recommended to supply power to the M7F from a dedicated DC power supply in order to protect the PLC from being damaged.
- When using a controller other than the PLC or another company's PLC, be sure to check the terminal arrangement of the connector of the controller or the PLC. The terminal arrangement of OMRON's cables incorporating connectors corresponds to that of the PLC.

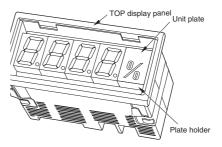
Removing Color Plate

There is a gap (with a width of approximately 1 mm) between the case and color plate on the left and right sides. To remove the color plate, insert a flat-blade screwdriver into either one of the gaps and move the color plate upwards.



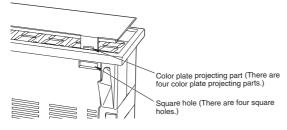
Replacing Unit Plate

- · Remove the unit plate with a pair of tweezers.
- Before pasting a unit plate to the plate holder, remove the ground paper from the unit plate. Paste the unit plate to the plate holder so that the symbol mark or character(s) of the face plate will be on the bottom side (i.e., the decimal-point side) of the M7F.



Attaching Color Plate

Insert the projecting parts of the color plate into the square holes of the case to attach the color plate to the case.



DIP Switch Settings

The DIP switch can be set with the tip of a ball-point pen or small screwdriver. Do not use anything that has a sharp edge (e.g., tweezers) to set the DIP switch.

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

In the interest of product improvement, specifications are subject to change without notice.

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