

# General Specifications

Model SHUP Housing  
(Panel Mounting)  
Model MTS Mounting Kit

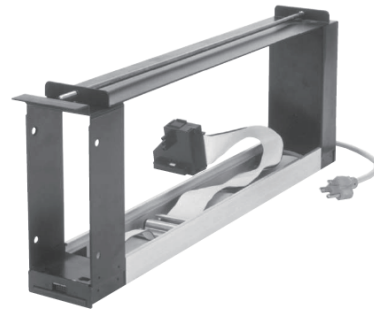
**YEW** SERIES 80

GS 01B04F01-E

## Model SHUP HOUSING (Panel Mounting)

The SHUP Housing Kit is for panel-mount instruments. Instrument housings can be ordered separately from (prior to) the plug-in instrument modules themselves, and pre-wired.

The MTS Mounting Kit (see below) can be ordered with the Housing Kit or separately.



Housing Kit



Mounting Kit

## STANDARD SPECIFICATIONS

Wiring: Connectors are used to interconnect instrument modules and housings.

Signal Wiring to/from the Field: ISO M4 size (4 mm) screws on terminal block.

Power and Ground Wiring:

100 V version: JIS C 8303 two-pin plug with earthing contact. (IEC A5-15, UL498)

220 V version: CEE 7 VII (CENELEC standard) plug.

Cable Length: 300 mm.

Material: Aluminium base plate, other parts steel.

Mounting: Panel mounting (instruments can be mounted side-by-side or separately). Rear of housing may be up to 75° below front.

Housing Dimensions:

Standard: 182.5 (H) × 87 (W) × 480 (D) mm

Panel cut-out:

Standard: 172 ± 0.5 (H) × 80 ± 0.5 (W) mm

Weight:

Standard: 2 kg (excluding mounting kit)

## OPTIONS

/A2ER: For "220 V version" power supply.

/MTS: Supplied with kit for mounting instruments individually. When instruments are to be mounted side-by-side, order MTS Mounting Kit (see below) rather than /MTS option.

/HTB: For "100 V version" power supply with screw terminal.

/A2/HTB: For "220 V version" power supply with screw terminal.

/FP: With blank panel.

May be installed in spare housing where instrument is not equipped.

## MODEL AND SUFFIX CODES

Model	Suffix Codes	Description
SHUP	.....	Housing Kit
	-000 .....	Standard version
Style Code	*A.....	Style A
Options	/A2ER	220V version (CEE 7 VII plug)
	/HTB	100V version(Screw terminal)
	/A2/HTB	220V version(Screw terminal)
	/MTS	With mounting kit
	/FP	With blank panel

## Model MTS MOUNTING KIT

The MTS Mounting Kit comprises a bezel used with the SHUP Housing, plus a clamp to stop sideways movement of instruments in housings. When instruments are mounted individually, order one mounting kit per instrument. Otherwise, order one mounting kit per row of instruments.

## ■ MODEL AND SUFFIX CODES

Model	Suffix Codes	Description
MTS	.....	Mounting Kit for use with YEW SERIES 80 Housing Kit
	-000	Always 000

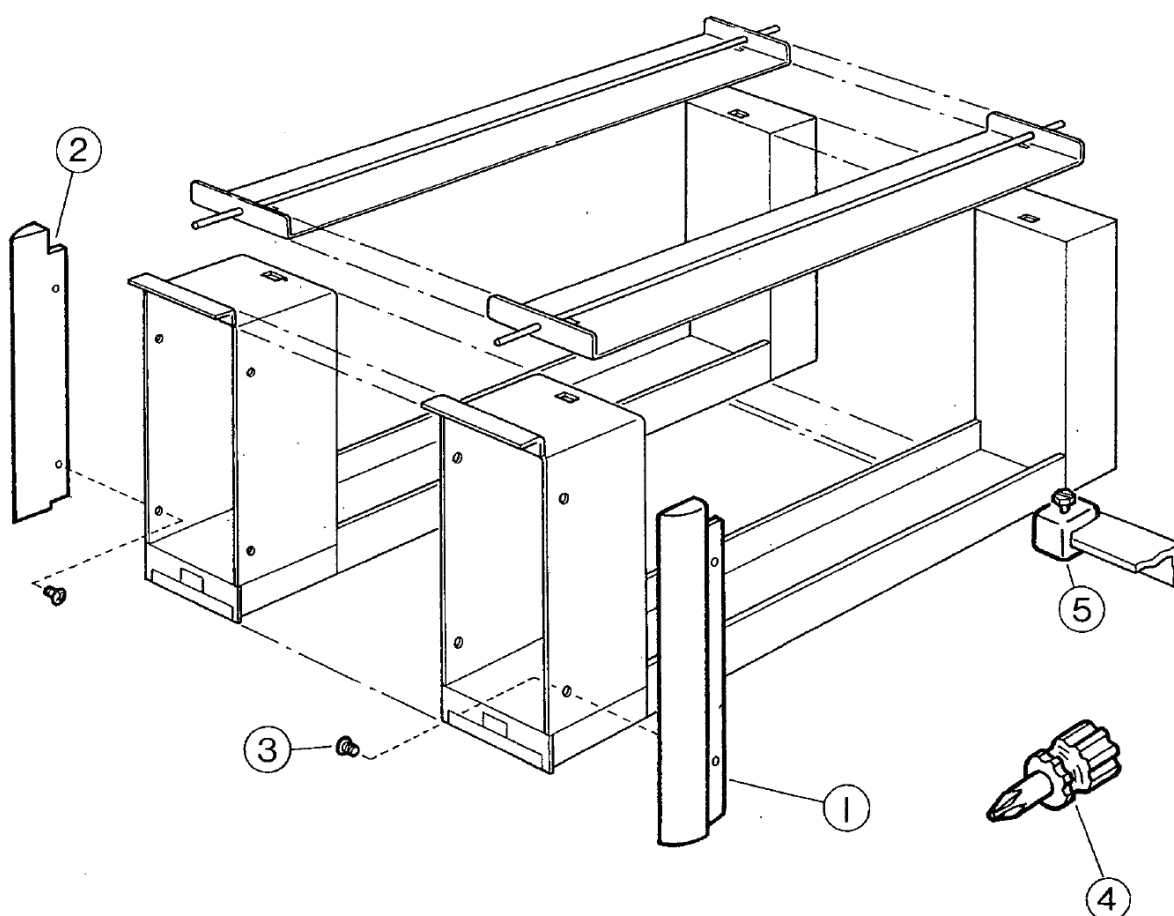
## ■ STANDARD SPECIFICATIONS

Bezel: Aluminium die-cast material, black baked-enamel finish.

Weight: 0.4 kg.

### Components of Mounting Kit

Item No.	Part No.	Name	Quantity
1	E9310CK	Bezel (right)	1
2	E9310CL	Bezel (left)	1
3	Y9406EB	Screw	4
4	E9310CT	Special screwdriver	1
5	E9310DT	Clamp	2

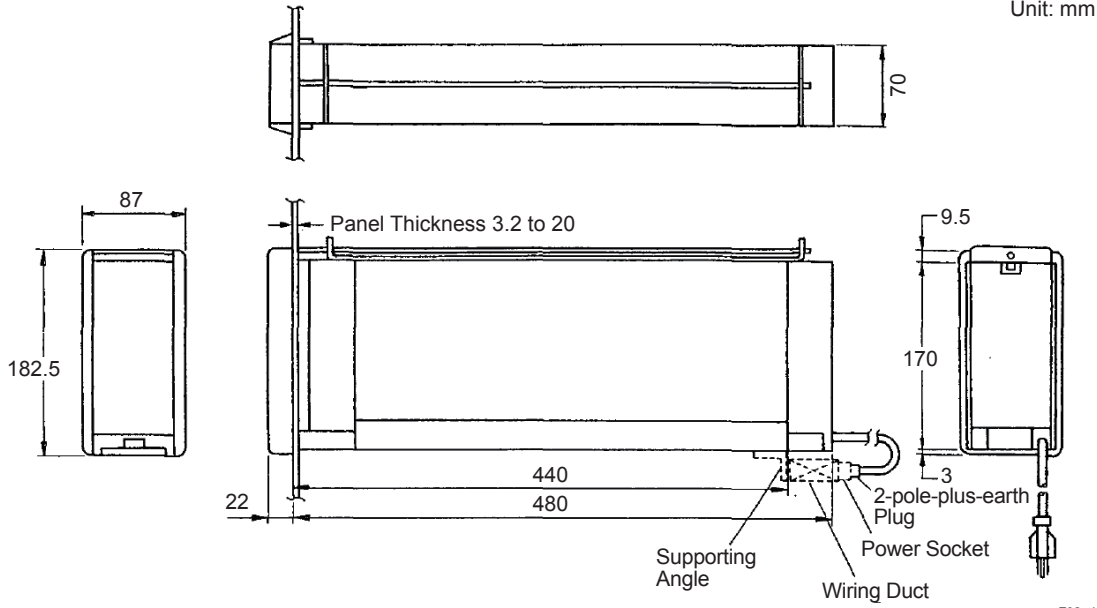


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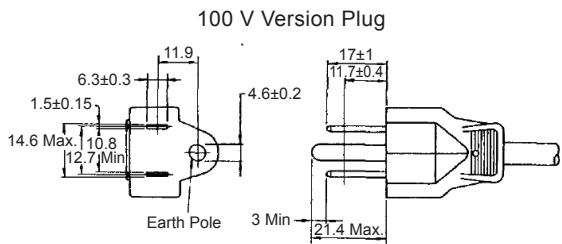
**EXTERNAL DIMENSIONS**

1) Standard

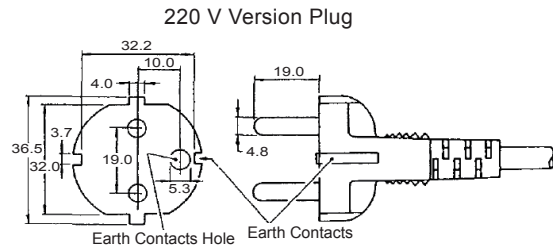
Unit: mm



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JIS C 8303 15A 125 V Two-pin Plug with Earthing Contact  
F04.ai



CEE Publication 7 Standard Sheet VII  
10/16A 250 V Two-pole Plug with Dual-earthing Contacts  
F05.ai

**SHUP-000\*A (YS80 Housing), SHUP-000\*A/A2ER (YS80 Housing, 220V Version Plug),  
SHUP-000\*A/HTB (YS80 Housing, Power Terminal Type), SHUP-000\*A/A2/HTB (YS80  
Housing, 220V Version Power Terminal Type)**

**(1) YS1500/YS1700**

Terminal number	Programmable mode (YS1700 only)	Single-loop mode	Cascade mode	Selector mode
1 2	+> Analog input 1 - (1-5V DC)	+> Measurement input - (1-5V DC)	+> Measurement input 1 - (1-5V DC)	+> Measurement input 1 - (1-5V DC)
3 4	+> Analog input 2 - (1-5V DC)	+> Cascade setting input - (1-5V DC)	+> Cascade setting input - (1-5V DC)	+> Cascade setting input 1 - (1-5V DC)
5 6	+> Analog input 3 - (1-5V DC)	+> Input value for output tracking (1-5V DC)	+> Measurement input 2 - (1-5V DC)	+> Measurement input 2 - (1-5V DC)
7 8	+> Analog input 4 - (1-5V DC)	+> Feedforward input - (1-5V DC)	+> Feedforward input - (1-5V DC) (Note 2)	+> Cascade setting input 2 - (1-5V DC) (Note 2)
9 10	+> Analog input 5 - (1-5V DC)	+> Output of the direct input signal (1-5V DC)	+> Output of the direct input signal (1-5V DC)	+> Output of the direct input signal (1-5V DC)
N 21	+> FAIL output (Note 3)	+> FAIL output (Note 3)	+> FAIL output (Note 3)	+> FAIL output (Note 3)
	Connection of transmitter supply power (24V DC)	Connection of transmitter supply power (24V DC)	Connection of transmitter supply power (24V DC)	Connection of transmitter supply power (24V DC)
	Communication terminal SG Communication terminal SDA (-) Communication terminal SDB (+)	Communication terminal SG Communication terminal SDA (-) Communication terminal SDB (+)	Communication terminal SG Communication terminal SDA (-) Communication terminal SDB (+)	Communication terminal SG Communication terminal SDA (-) Communication terminal SDB (+)
17	Communication terminal RDA (-) or LCS (+)	Communication terminal RDA (-) or LCS (+)	Communication terminal RDA (-) or LCS (+)	Communication terminal RDA (-) or LCS (+)
18	Communication terminal RDB (+) or LCS (-)	Communication terminal RDB (+) or LCS (-)	Communication terminal RDB (+) or LCS (-)	Communication terminal RDB (+) or LCS (-)
	+ - Direct input terminals	+ - Direct input terminals	+ - Direct input terminals	+ - Direct input terminals
A B	+> Analog output 1 - (4 to 20mA DC)	+> Manipulated output variable 1 - (4 to 20mA DC)	+> Manipulated output variable 1 - (4 to 20mA DC)	+> Manipulated output variable 1 - (4 to 20mA DC)
C D	+> Analog output 2 - (1-5V DC)	+> Manipulated output variable 2 - (1-5V DC) (Note 4)	+> Manipulated output variable 2 - (1-5V DC) (Note 4)	+> Manipulated output variable 2 - (1-5V DC) (Note 4)
F H	+> Analog output 3 - (4 to 20mA DC/1-5V DC) (Note 5)	+> Setpoint value output - (1-5V DC) (Note 4)	+> Setpoint value output - (1-5V DC) (Note 4)	+> Setpoint value output - (1-5V DC) (Note 4)
J K	+> Digital output 1/Digital input 6 (Note 6)	+> High limit alarm setpoint for PV output (Note 7)	+> LOOP 1 alarm output (Note 7)	+> LOOP 1 alarm output (Note 7)
L M	+> Digital output 2/Digital input 5 (Note 6)	+> Low limit alarm setpoint for PV output (Note 7)	+> LOOP 2 alarm output (Note 7)	+> LOOP 2 alarm output (Note 7)
19 20	+> Digital output 3/Digital input 4 (Note 6)	+> Velocity alarm setpoint for PV output (Note 7)	+> O/C status output (Note 7)	+> L/R status output (Note 7)
15 16	+> Digital output 4/Digital input 3 (Note 6)	+> C/A, M status output (Note 7)	+> C/A, M status output (Note 7)	+> C/A, M status output (Note 7)
13 14	+> Digital output 5/Digital input 2 (Note 6)	+> C, A/M status output (Note 7)	+> C, A/M status output (Note 7)	+> C, A/M status output (Note 7)
11 12	+> Digital output 6/Digital input 1 (Note 6)	+> No function (Factory default) (Note 7)	+> No function (Factory default) (Note 7)	+> No function (Factory default) (Note 7)

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- Note 1: The functions in the shaded areas or those described in shaded characters are not available in the YS80 housing.
- Note 2: These terminals can be used as output tracking input if feedforward input or cascade setting input 2 is not used.
- Note 3: Using the terminals as fail output requires an external power supply.
- Note 4: For manipulated output variable 2 and setpoint output, the output types can be changed using the analog output-2 selection Y2S and analog output-3 selection Y3S engineering parameters.
- Note 5: For analog output 3, the output type can be changed using the analog output-3 current/voltage switching Y3TP engineering parameter.
- Note 6: Using these terminals as digital output requires an external power supply. The function of digital inputs or digital outputs can be set using the YSS1000 Setting Software (sold separately).
- Note 7: Using these terminals as digital output requires an external power supply. The settings in the table are the factory defaults. Digital inputs or digital outputs can be appropriately used by setting the DI/DO setting DIO16 to DIO61 engineering parameters. Functions can be set using the DI1F to DI6F and DO1F to DO6F engineering parameters.

## (2) YS1310/YS1350/YS1360

Terminal number	YS1310	YS1350	YS1360
1	+> Measurement input -> (1-5V DC)	+> Measurement input 1 -> (1-5V DC)	+> Measurement input 1 -> (1-5V DC)
2			
3	+> Measurement input 2 -> (1-5V DC)	+> Cascade setting input -> (1-5V DC)	+> Cascade setting input -> (1-5V DC)
4			
5			
6			
7			
8			
9	+> Output of the direct input -> signal (1-5V DC)	+> Output of the direct input -> signal (1-5V DC)	+> Output of the direct input -> signal (1-5V DC)
10			
N	+> FAIL output (Note 2) ->	+> FAIL output (Note 2) ->	+> FAIL output (Note 2) ->
21			
	Connection of transmitter supply power (24V DC)	Connection of transmitter supply power (24V DC)	Connection of transmitter supply power (24V DC)
	Communication terminal SG	Communication terminal SG	Communication terminal SG
	Communication terminal SDA (-)	Communication terminal SDA (-)	Communication terminal SDA (-)
	Communication terminal SDB (+)	Communication terminal SDB (+)	Communication terminal SDB (+)
17	Communication terminal RDA (-) or LCS (+)	Communication terminal RDA (-) or LCS (+)	Communication terminal RDA (-) or LCS (+)
18	Communication terminal RDB (+) or LCS (-)	Communication terminal RDB (+) or LCS (-)	Communication terminal RDB (+) or LCS (-)
	+> } -> } Direct input terminals	+> } -> } Direct input terminals	+> } -> } Direct input terminals
A			+> Manipulated output variable 1 -> (4 to 20mA DC)
B			
C		+> Setpoint value output -> (1-5V DC)	+> Manipulated output variable 2 -> (1-5V DC)
D			
F			
H			
J	+> High limit alarm setpoint -> for PV 1 output (Note 3)	+> High limit alarm output -> (Note 4)	+> High limit alarm output -> (Note 4)
K			
L	+> Low limit alarm setpoint -> for PV 1 output (Note 3)	+> Low limit alarm output -> (Note 4)	+> Low limit alarm output -> (Note 4)
M			
19	+> High-high limit alarm -> output for PV 1 (Note 3)		
20			
15	+> Low-low limit alarm out- -> put for PV 1 (Note 3)	+> C/M status output -> (Note 4)	+> C/M status output -> (Note 4)
16			
13	+> OR output of high limit -> alarm output for PV 2 and -> low limit alarm output for -> PV 2 (Note 3)	+> No function (Factory -> default) (Note 5) ->	+> No function (Factory -> default) (Note 5) ->
14			
11	+> OR output of high-high -> limit alarm output for PV -> 2 and low-low limit alarm -> output for PV 2 (Note 3)	+> No function (Factory -> default) (Note 5) ->	+> No function (Factory -> default) (Note 5) ->
12			

Note 1: The functions in the shaded areas or those described in shaded characters are not available in the YS80 housing.

Note 2: Using the terminals as fail output requires an external power supply.

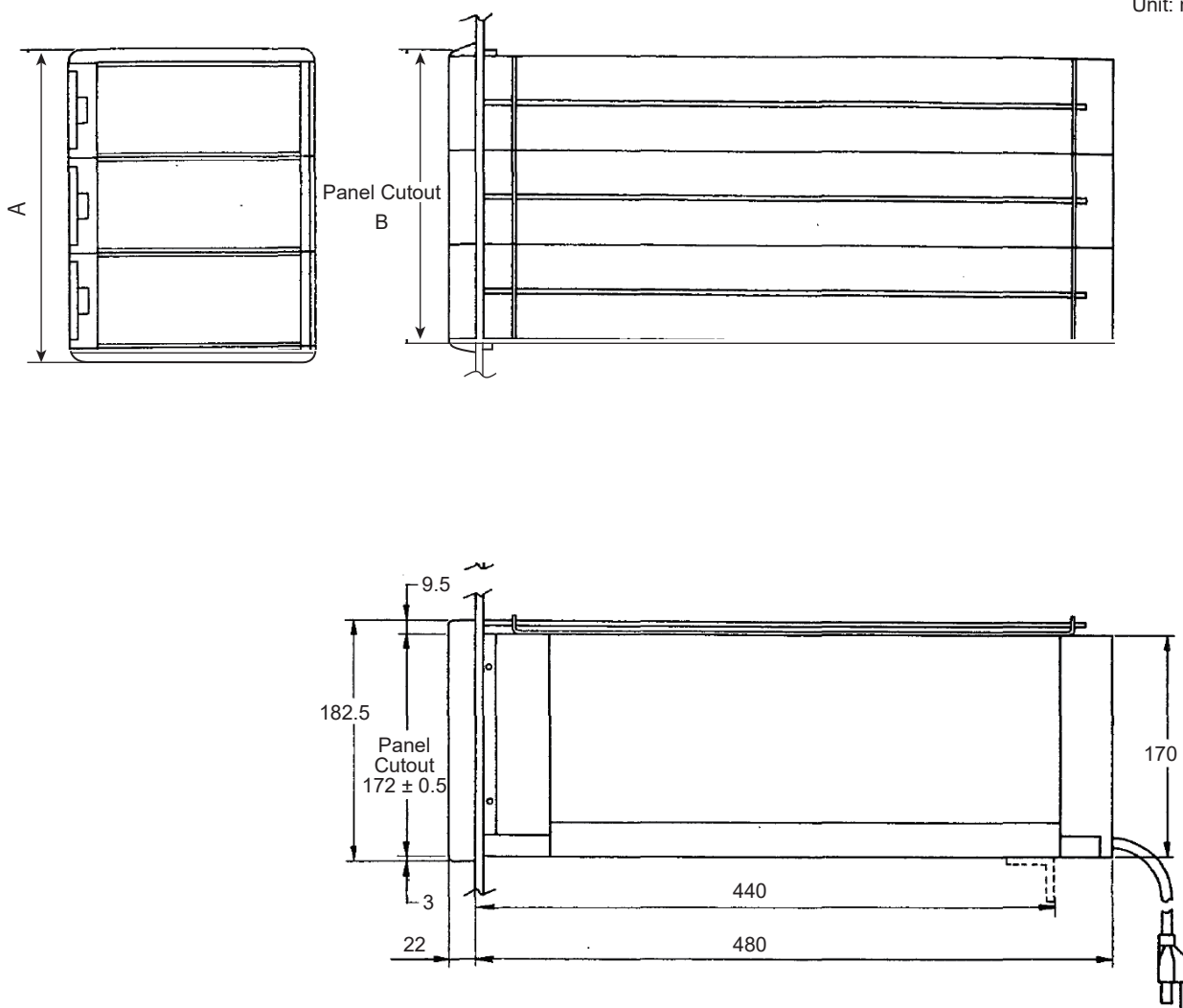
Note 3: Using these terminals as digital output requires an external power supply. The settings in the table are the factory defaults. Digital inputs or digital outputs can be appropriately used by setting the DI/DO setting DIO16 engineering parameter. Functions can be set using the DI1F and DO1F to DO6F engineering parameters.

Note 4: Using these terminals as digital output requires an external power supply.

Note 5: The settings in the table are the factory defaults. Functions can be set using the DI1F and DI2F engineering parameters.

## ■ DIMENSIONS FOR SIDE-BY-SIDE MOUNTING

Unit: mm



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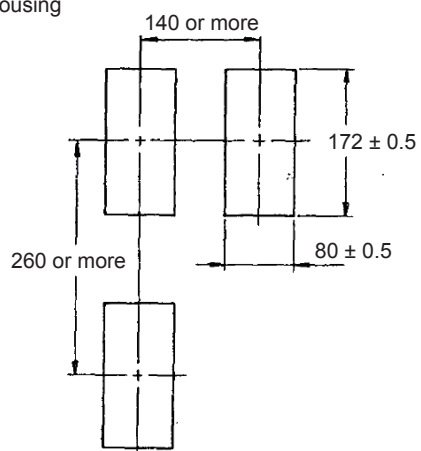
n	1	2	3	4	5	6	7	8
<b>A</b>	87	157	227	297	367	437	507	577
<b>B</b>	80 <sup>+1</sup> <sub>0</sub>	150 <sup>+1</sup> <sub>0</sub>	220 <sup>+1</sup> <sub>0</sub>	290 <sup>+1</sup> <sub>0</sub>	360 <sup>+1</sup> <sub>0</sub>	430 <sup>+1</sup> <sub>0</sub>	500 <sup>+1</sup> <sub>0</sub>	570 <sup>+1</sup> <sub>0</sub>

n	9	10	11	12	13	14	15	16
<b>A</b>	647	717	787	857	927	997	1067	1137
<b>B</b>	640 <sup>+1</sup> <sub>0</sub>	710 <sup>+1</sup> <sub>0</sub>	780 <sup>+1</sup> <sub>0</sub>	850 <sup>+1</sup> <sub>0</sub>	920 <sup>+1</sup> <sub>0</sub>	990 <sup>+1</sup> <sub>0</sub>	1060 <sup>+1</sup> <sub>0</sub>	1130 <sup>+1</sup> <sub>0</sub>

n: Number of housing units

## ■ DIMENSIONS FOR SEPARATE MOUNTING

Standard Housing



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## ■ ORDERING INSTRUCTIONS

When ordering, specify the model and suffix codes.

## ■ RELATED EQUIPMENT

Blank Panel ..... Part No.E9710CF