■ MODELS AND SUFFIX CODES

Signal Conditioner Nest

		Description
Model	MHC	I/O Signal Conditioner Nest
	MHM	Control I/O Signal Conditioner Nest
Suffix Code	-1	100/110/115/120 V AC single
	-2	220/230/240 V AC single
	-3	24 V DC (3-UNIT type)
	-5	100/110/115/120 V AC dual-redundant
	-6	220/230/240 V AC dual-redundant
	0	Without Communication Function
	1	With Communication Function (ESC card)
Style Code	*B	Style B (*1)
Option Code	/□□□	Specify the card according to the following options.

*1: Style code *B is described as SUFFIX on the actual products.

Option

Option Code	Specification		
/□M1	EM1 mV input card	Without Burnout	
/□MU	EM1 mV input card	Up-scale Burnout	
/□MD	EM1 mV input card	Down-scale Burnout	
/□T5	ET5 TC input card	Without Burnout	
/□TU	ET5 TC input card	Up-scale Burnout	
/□TD	ET5 TC input card	Down-scale Burnout	
/□TF	ET5 TC input card	Without Burnout	Temperature indication in Fahrenheit
/□TH	ET5 TC input card	Up-scale Burnout	Temperature indication in Fahrenheit
/□TL	ET5 TC input card	Down-scale Burnout	Temperature indication in Fahrenheit
/□R5	ER5 RTD input card	Without Burnout	
/□RU	ER5 RTD input card	Up-scale Burnout	
/□RD	ER5 RTD input card	Down-scale Burnout	
/□RF	ER5 RTD input card	Without Burnout	Temperature indication in Fahrenheit
/□RH	ER5 RTD input card	Up-scale Burnout	Temperature indication in Fahrenheit
/□RL	ER5 RTD input card	Down-scale Burnout	Temperature indication in Fahrenheit
/□S1	ES1 Potentiometer input card	Without Burnout	
/□SU	ES1 Potentiometer input card	Up-scale Burnout	
/□SD	ES1 Potentiometer input card	Down-scale Burnout	
/□H1	EH1 Input isolator card		
/□H5	EH5 Input isolator card with square root extraction		
/□A1	EA1 2-wire transmitter input card		
/□A2	EA2 2-wire transmitter input card with BRAIN communication function		
/□A5	EA5 2-wire transmitter input card with square root extraction		
/□P1	EP1 Pulse train input card		
/□P3	EP3 Input frequency card		
/□C0	EC0 Control output isolator card		(Exclusive to MHM)
/□A0	EA0 Output isolator card		
/□H0	EH0 (1 to 5 V output)		
/□X1	EX1 I/O through card		
/T	With tag numbers (all cards in a nest)		

Note: In the box □, fill in the slot number to insert a card, in hexadecimal notation (1 to 9, A, B, C, D, E, F, G)
Refer to “Signal Conditioner Cards” (GS 33K50H80-50E) for each signal conditioner card.

Signal Conditioner Nest Fan Unit

		Description
Model	SCFAN1	Signal Conditioner Nest Fan Unit
Style Code	*A	Style A

■ SIGNAL AND TERMINAL DIAGRAM

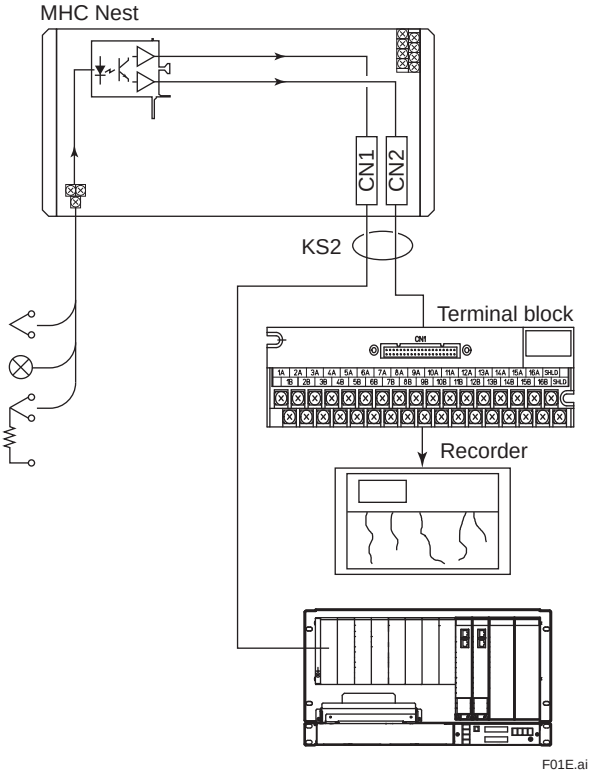


Figure 1. MHC-50 Nest Connection

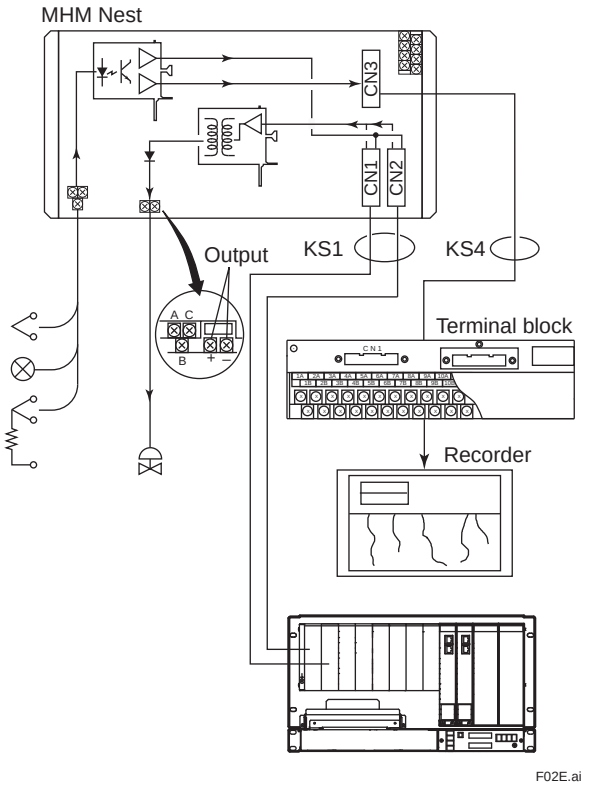
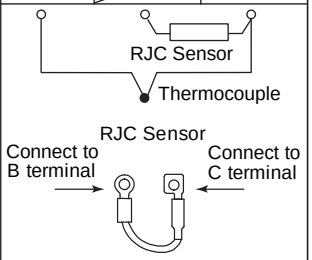
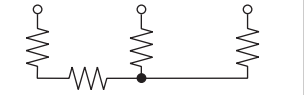
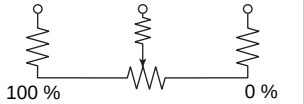
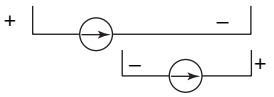


Figure 2. MHM-50 Nest Connection

■ FIELD SIDE TERMINAL

Signal Conditioner Nest		Terminal A	Terminal B	Terminal C
EM1		+		–
ET5 (*1)				
ER5 (*2)				
ES1 (*3)				
EP1, EP3	Two-wire type	+		–
	Two-wire type power supply	Signal	power supply	
	Three-wire type power supply	+	power supply	–
EH1, EH5		+		–
EA1, EA2, EA5, EA7 (*4) (*5) (*6)				
EH0, EA0, EC0, EC7		+		–
EX1		+		–

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*1: The Reference Junction Compensation Sensor (RJC Sensor) is attached to ET5. Connected it to B and C terminals of signal conditioner.
*2: Must be wiring resistance of A as same as B.
*3: Must be wiring resistance of A as same as C.
*4: B terminal is used when combined with BARD safety barrier.
*5: In the case of 4-to-20 mA input that requires no transmitter power supply, connect to C-terminal (+) and B-terminal (–).
Input resistance of EA1, EA2, and EA5 is 250 Ω.
For EA7, input resistance is equivalent to 250 Ω (voltage drop is 5 V or less, at 20 mA input).
*6: EA7 cannot be used with SPBD standby manual station.