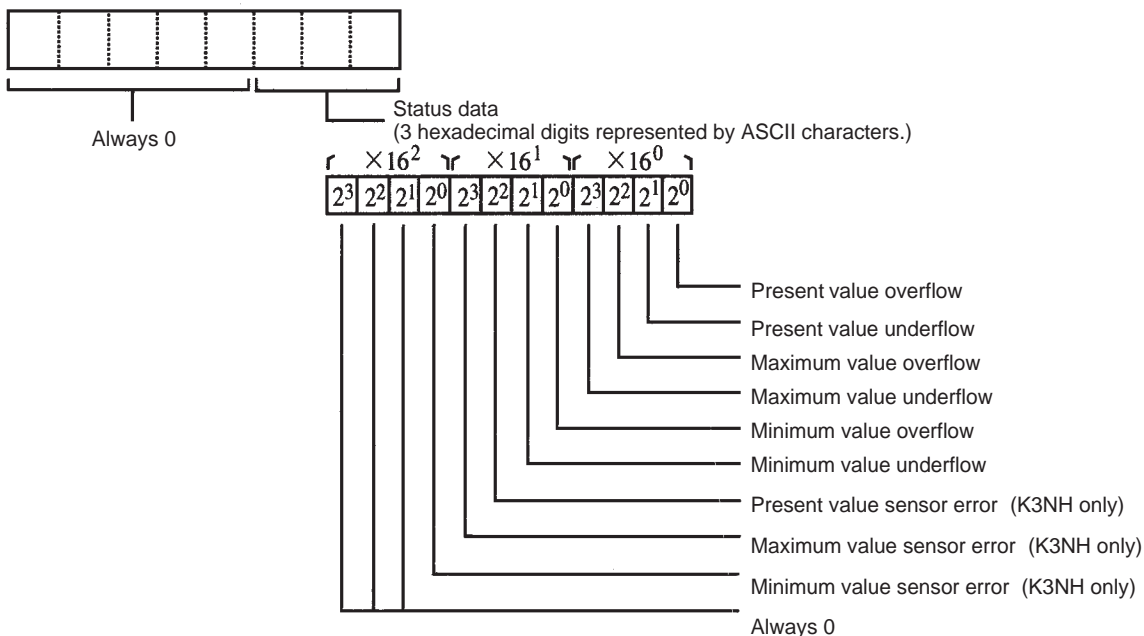


Memory/Parameter Area Details

Memory: K3NH, K3NX, K3NV, K3NR, and K3NP

Type	Address	Data contents		Data length
“C0”	“0000“	Present value (PV)	“F0019999” to “00099999” (See note 1.)	Double words
	“0001”	Maximum value	“F0019999” to “00099999” (See note 1.)	
	“0002”	Minimum value	“F0019999” to “00099999” (See note 1.)	
	“0003”	Status data:	Bit 0: Present value overflow	
			Bit 1: Present value underflow	
			Bit 2: Maximum value overflow	
			Bit 3: Maximum value underflow	
			Bit 4: Minimum value overflow	
			Bit 5: Minimum value underflow	
			Bit 6: Present value sensor error	
(K3NH only)	Bit 7: Maximum value sensor error			
(K3NH only)	Bit 8: Minimum value sensor error			
(K3NH only)	Others: The remaining bits are always 0.			
“X004”	HH set value	“F0019999” to “00099999” (See note 1.)		
“X005”	H set value	“F0019999” to “00099999” (See note 1.)		
“X006”	L set value	“F0019999” to “00099999” (See note 1.)		
“X007”	LL set value	“F0019999” to “00099999” (See note 1.)		

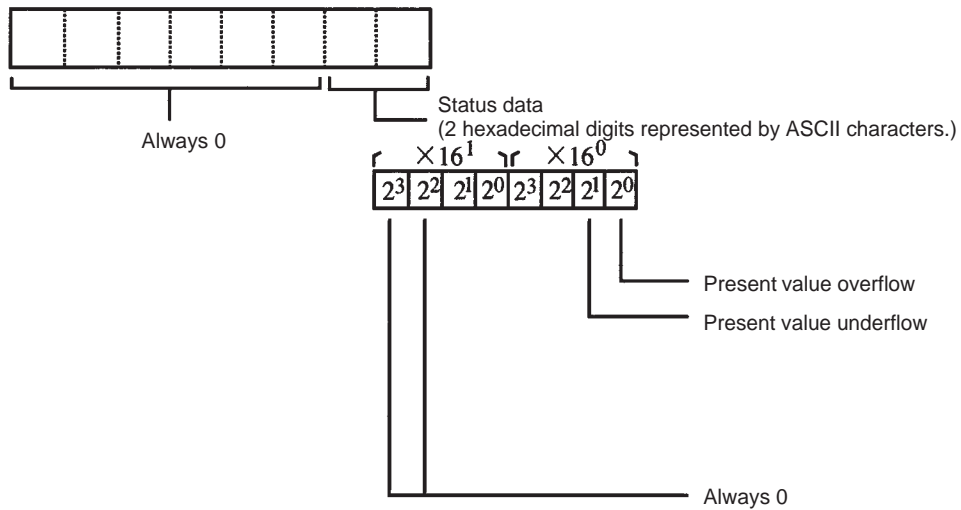
- Note**
1. In the K3NH, the range is "F0001999" to "00009999" when the display digit change is set to 4 digits.
 2. The leading "X" in the addresses represents the bank number in the K3NR and K3NP. (This digit is always 0 in the other models.)
 3. Data values which begin with an "F" are negative values.
 4. The following diagram shows the details of the status bits:



Memory: K3NC

Type	Address	Data contents	Data length
"C0"	"0000"	Present value (PV) "F0019999" to "00099999"	Double words
	"0003"	Status data: Bit 0: Present value overflow Bit 1: Present value underflow Others: The remaining bits are always 0.	
	"X004"	OUT1 set value "F0019999" to "00099999"	
	"X005"	OUT2 set value "F0019999" to "00099999"	
	"X006"	OUT3 set value "F0019999" to "00099999"	
	"X007"	OUT4 set value "F0019999" to "00099999"	
	"X008"	OUT5 set value "F0019999" to "00099999"	

- Note**
1. The leading "X" in the addresses represents the bank number.
 2. Data values which begin with an "F" are negative values.
 3. The following diagram shows the details of the status bits:



Parameters: K3NH

Type	Address	Data contents	Data length
"8000"	"0000"	Input type "0000" to "0021"	Words
	"0001"	Decimal point position "0000" to "0003" (See note 1.)	
	"0002"	Average processing "0000" No averaging "0001" to "0004" Moving average: 2, 4, 8, or 16 times "0011" to "0014" Simple average: 2, 4, 8, or 16 times	
	"0003"	Not used.	
	"0004"	Hysteresis "0001" to "9999"	
	"0005"	Comparative output pattern "0000" Standard output "0001" Zone output "0002" Level output	
"C00C"	"0000"	Scaling upper limit value "F0019999" to "00099999"	Double words
	"0001"	Scaling lower limit value "F0019999" to "00099999"	
	"0002"	Upper-limit compensation value "F0019999" to "00099999"	
	"0003"	Lower-limit compensation value "F0019999" to "00099999"	
"8824"	"0000"	Temperature unit "0000" °C (Celsius) "0001" °F (Fahrenheit)	Words
	"0001"	Standby sequence "0000" OFF "0001" ON	
	"0002"	Display digit change "0000" 4 digits "0001" 5 digits	

- Note**
1. An error response will be returned if a temperature input (in-t) has been selected for the input type.
 2. Data values which begin with an "F" are negative values.

Parameters: K3NX

Type	Address	Data contents	Data length
"8000"	"0000"	Input range "0000" to "0004"	Words
	"0001"	Decimal point position "0000" to "0004"	
	"0002"	Average processing "0000" No averaging "0001" to "0005" Moving average: 2, 4, 8, 16, or 32 times "0011" to "0015" Simple average: 2, 4, 8, 16, or 32 times	
	"0003"	Startup compensation time "0000" to "0999"	
	"0004"	Hysteresis "0001" to "9999"	
	"0005"	Comparative output pattern "0000" Standard output "0001" Zone output "0002" Level output	
"C00C"	"0000"	Scaling input value 2 "F0019999" to "00099999"	Double words
	"0001"	Scaling display value 2 "F0019999" to "00099999"	
	"0002"	Scaling input value 1 "F0019999" to "00099999"	
	"0003"	Scaling display value 1 "F0019999" to "00099999"	
"8824"	"0000"	Power supply frequency "0000" 50 Hz "0001" 60 Hz	Words

Note Data values which begin with an "F" are negative values.

Parameters: K3NV

Type	Address	Data contents	Data length
"8000"	"0000"	Input range "0000" to "0002"	Words
	"0001"	Decimal point position "0000" to "0004"	
	"0002"	Average processing "0000" No averaging "0001" to "0005" Moving average: 2, 4, 8, 16, or 32 times "0011" to "0015" Simple average: 2, 4, 8, 16, or 32 times	
	"0003"	Startup compensation time "0000" to "0999"	
	"0004"	Hysteresis "0001" to "9999"	
	"0005"	Comparative output pattern "0000" Standard output "0001" Zone output "0002" Level output	
"C00C"	"0000"	Scaling input value 2 "F0019999" to "00099999"	Double words
	"0001"	Scaling display value 2 "F0019999" to "00099999"	
	"0002"	Scaling input value 1 "F0019999" to "00099999"	
	"0003"	Scaling display value 1 "F0019999" to "00099999"	
"8824"	"0000"	Power supply frequency "0000" 50 Hz "0001" 60 Hz	Words

Note Data values which begin with an "F" are negative values.

Parameters: K3NR

Type	Address ¹	Data contents	Data length
"8000"	"0000"	Operating mode "0000" to "0006"	Words
	"X001"	Decimal point position "0000" to "0004"	
	"0002"	Process time for averaging measured value "0000" to "0006"	
	"0003"	Startup compensation time "0001" to "0999"	
	"0004"	Hysteresis "0001" to "9999"	
	"0005"	Comparative output pattern "0000" Standard output "0001" Zone output "0002" Level output	
"C00C"	"X000"	Prescaling value X (mantissa) of input A "00000001" to "00099999"	Double words
	"X001"	Prescaling value Y (exponent) of input A "F0000009" to "00000009"	
	"X002"	Prescaling value X (mantissa) of input B "00000001" to "00099999"	
	"X003"	Prescaling value Y (exponent) of input B "F0000009" to "00000009"	
"8824"	"0000"	Sensor type "0000" to "1111" (binary)	Words
	"0001"	Time unit "0000" Prescaling value "0001" Seconds "0002" Minutes "0003" Hours, minutes, and seconds "0004" Minutes and seconds	
	"0002"	Power failure memory "0000" Disabled "0001" Enabled	
"C82A"	"0000"	Auto zero time of input A X (mantissa) "00000001" to "00099999"	Double words
	"0001"	Auto zero time of input A Y (exponent) "F0000009" to "00000009"	
	"0002"	Auto zero time of input B Y (mantissa) "00000001" to "00099999"	
	"0003"	Auto zero time of input B Y (exponent) "F0000009" to "00000009"	

- Note**
1. The leading "X" in the addresses represents the bank number.
 2. Data values which begin with an "F" are negative values.

Parameters: K3NP

Type	Address ¹	Data contents	Data length
"8000"	"0000"	Operating mode "0000" to "0005"	Words
	"X001"	Decimal point position "0000" to "0004"	
	"0002"	Not used.	
	"0003"	Not used.	
	"0004"	Not used.	
	"0005"	Comparative output pattern "0000" Standard output "0001" Zone output "0002" Level output	
"C00C"	"X000"	Prescaling value X (mantissa) of input A "00000001" to "00099999"	Double words
	"X001"	Prescaling value Y (exponent) of input A "F0000009" to "00000009"	
"8824"	"0000"	Sensor type "0000" to "1111" (binary)	Words
	"0001"	Time unit "0000" Prescaling value "0001" Seconds "0002" Minutes "0003" Hours, minutes, and seconds "0004" Minutes and seconds	

- Note**
1. The leading "X" in the addresses represents the bank number.
 2. Data values which begin with an "F" are negative values.

Parameters: K3NC

Type	Address ¹	Data contents	Data length
"8000"	"0000"	Input mode "0001" or "0002"	Words
	"X001"	Decimal point position "0000" to "0004"	
	"0002"	Not used.	
	"0003"	Not used.	
	"0004"	Not used.	
	"0005"	Output mode "0000" ALL-H "0001" ALL-L	
"C00C"	"X000"	Prescaling value X (mantissa) of input A "00000001" to "00099999"	Double words
	"X001"	Prescaling value Y (exponent) of input A "F0000009" to "00000009"	
"8824"	"0000"	Sensor type "0000" to "1111" (binary)	Words
	"0001"	Power failure memory "0000" Disabled "0001" Enabled	
	"0002"	Compensation input condition "0000" Unconditional "0001" Only when adding	
"C82A"	"0000"	Compensation value "F0019999" to "00099999"	Double words

- Note**
1. The leading "X" in the addresses represents the bank number.
 2. Data values which begin with an "F" are negative values.