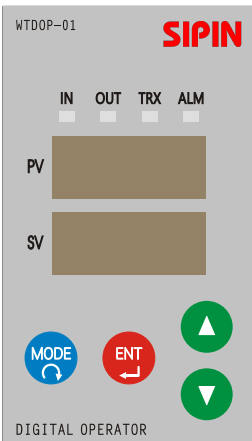


W7

Single-Phase Product Operation and Parameter Description



1.Explanation of indicator lamp :

- IN : Input indicator lamp
- OUT : Output indicator lamp
- TRX : Transmission indicator lamp
- ALM : Error indicator lamp

2.Text cross reference table :

1	1	2	2	3	3	4	4	5	5
6	6	7	7	8	8	9	9	0	0
A	A	b	b	C	C	d	d	E	E
F	F	G	G	H	H	i	i	J	J
k	k	L	L	m	m	n	n	o	o
P	P	q	q	r	r	S	S	t	t
u	u	V	V	w	w	X	X	y	y
Z	Z								

3.Description of function keys :

- MODE**
 - Switch between different layers.
 - Not yet in setting mode: Exit and return to display mode.
 - In setting mode: Exit without saving file.
 - When error happens: Error reset.
 - In setting mode: Press and hold, then press upward cursor to move left, and press downward cursor to move right.
- ENT**
 - Not yet in setting mode: Enter parameter setting, SV value blinks.
 - In setting mode: Save value and blinking stops, exit setting mode.
- Upward cursor**
 - Not yet in setting mode: Switch parameter. (upward)
 - In setting mode: The value increases.
- Downward cursor**
 - Not yet in setting mode: Switch parameter. (downward)
 - In setting mode: The value decreases.

1-1.Display Layer

Parameter Code No.	Description	Unit	Product Type				Keyboard R/W	Register Address	Comm. R/W
			P	D	V	F			
<i>in</i>	Input percentage	0.0 %	●	●	●	●	R	10	R
<i>out</i>	Output percentage	0.0 %	●	●	●	●	R	11	R
<i>SFS</i>	Soft start	sec	●	●	●	●	R	12	R
<i>SFd</i>	Soft down	sec	●	●	●	●	R	13	R
<i>nARL</i>	Maximum output limit	0.0 %	●	●	●	●	R	14	R
<i>Uout</i>	Output voltage (RMS)	0.0 V		●	●	●	R	15	R
<i>Aout</i>	Output current (RMS)	0.0 A		●		●	R	16	R
<i>P_o</i>	Output power	0.0 KW		●		●	R	19	R
<i>TC</i>	Heat sink temperature	±0.0 °C	●	●	●	●	R	20	R
<i>H₂</i>	Power supply frequency (45~65Hz)	Hz	●	●	●	●	R	23	R
<i>S1</i>	External analog S1 value	0.0 %	●	●	●	●	R	24	R
<i>S2</i>	External analog S2 value	0.0 %	●	●	●	●	R	25	R
<i>dwin</i>	Digital input (Unit is controlled by the <i>ctnd</i> parameter on the control layer and <i>inSL</i> parameter layer.) (When digital input is selected on the <i>inSL</i> parameter layer, it can be set up from any parameter on the display layer by pressing Enter key.)	0.0 % 0.0 V 0.0 A 0.0 KW	●	●	●	●	R/W	26	R
<i>optt</i>	Operating time (Unit is determined by the <i>P-₂₀</i> parameter on the control layer, it will be reset to 0 after there is no output for 1 minute)	Min Hr	●	●	●	●	R	27	R
<i>Lbdf</i>	Differential percentage of load and output current (<i>inSt</i>)	± %			●		R	32	R
<i>P_{oH}</i>	Load power consumption (The value reset to zero when powered on.)	KWH		●		●	R	33	R
<i>oh_n</i>	Impedance value	0.00 Ω		●		●	R	34	R

1-2Display Layer (Error record) : On the display layer, press the key for 3 seconds

Parameter Code No.	Description	Product Type				Keyboard R/W	Parameter Address	Comm. R/W
		P	D	V	F			
<i>Err 1</i>	Error record 1	●	●	●	●	R	100	R
<i>Err 2</i>	Error record 2	●	●	●	●	R	101	R
<i>Err 3</i>	Error record 3	●	●	●	●	R	102	R
<i>Err 4</i>	Error record 4	●	●	●	●	R	103	R

2. Parameter Layer : On the display layer, press the key + key

Parameter Code No.	Description	Range			Product Type				Default setting	Keyboard R/W	Parameter Address	Comm. R/W	
		Value	Display	Description	P	D	V	F					
<i>PCSL</i>	Preset parameter on the Display layer when powered on	00	<i>i n</i>	Input percentage	●	●	●	●	<i>out</i>	R/W	128	R/W	
		01	<i>out</i>	Output percentage	●	●	●	●					
		02	<i>SFS</i>	Soft start	●	●	●	●					
		03	<i>SFd</i>	Soft down	●	●	●	●					
		04	<i>nAdL</i>	Maximum output limit	●	●	●	●					
		05	<i>Uout</i>	Output voltage	●	●	●	●					
		06	<i>Aout</i>	Output current	●	●	●	●					
		09	<i>P_o</i>	Output power	●	●	●	●					
		10	<i>TC</i>	Heat sink temperature	●	●	●	●					
		13	<i>Hz</i>	Power supply frequency	●	●	●	●					
		14	<i>S1</i>	External analog S1 value	●	●	●	●					
		15	<i>S2</i>	External analog S2 value	●	●	●	●					
		16	<i>d_{in}</i>	Digital input	●	●	●	●					
		17	<i>oPt.t</i>	Operating time	●	●	●	●					
		18	<i>Lbdf</i>	Differential percentage of load and output current				●					
		19	<i>P_{oH}</i>	Load power consumption		●		●					
		20	<i>oHn</i>	Impedance value		●		●					
<i>SFS</i>	Soft start	0~30sec			●	●	●	●	10	R/W	129	R/W	
<i>SFd</i>	Soft down	0~30sec			●	●	●	●	0	R/W	130	R/W	
<i>nAdL</i>	Maximum output value	0~100%			●	●	●	●	100	R/W	131	R/W	
<i>bASE</i>	Basic output value	0~50%			●	●	●	●	0	R/W	132	R/W	
<i>ATF</i>	Function selection for external analog terminal	Value	S1 terminal function	S2 terminal function	P	D	V	F	00	R/W	133	R/W	
		00	Not in use	Closed: Error reset	●	●	●	●					
		01	Maximum output limit	Closed: Error reset	●	●	●	●					
		02	Maximum output limit	Basic output amount 0~50%	●	●	●	●					
		03	Manual setting	Closed: Error reset	●	●	●	●					
		04	Manual setting	Basic output amount 0~50%	●	●	●	●					
		05	Manual setting (Invalid when automatic)	Open: Automatic Closed: Manual	●	●	●	●					
		06	Manual setting (Restricted when automatic)	Open: Automatic Closed: Manual	●	●	●	●					
		07	Maximum output limit	Zero crossing cycle sampling	●	●	●	●					
		08	Maximum output limit	Zero crossing time sampling	●	●	●	●					
		09	Maximum output limit	Open: Stop Closed: Run	●	●	●	●					
		10	Open: Automatic Closed: Digital input	Closed: Error reset	●	●	●	●					
		12	Voltage limit	Closed: Error reset			●	●					
		13	Current limit	Closed: Error reset				●					
14	Voltage limit	Current limit				●							
<i>SbAd</i>	Breaking out detecting for SCR module	Value	Description of function			P	D	V	F	3	R/W	135	R/W
		1	When detected, stop output, dry contact operation						●				
		3	No detection						●				
<i>CrFd</i>	Current detection	0.0~ <i>i_{oSt}</i> (Set 0 for no detection)						●	0.0	R/W	137	R/W	
<i>LbPE</i>	Percentage setting for load broken detection	0~80% (Set 0 for no detection, multiply with <i>i_{oSt}</i> parameter)						●	0	R/W	138	R/W	

Parameter Code No.	Description	Range		Product Type				Default setting	Keyboard R/W	Parameter Address	Comm. R/W	
<i>Lbād</i>	Dry contact for load broken or low current detection	Value	Description of function	P	D	V	F	0	R/W	139	R/W	
		0	When detected, continue output, dry contact operation				●					
		1	When detected, stop output, dry contact operation				●					
		2	When detected, continue output, no dry contact operation				●					
<i>RLSL</i>	Multifunctional dry contact	Value	Display	Description of function	P	D	V	F	<i>no</i>	R/W	140	R/W
		0	<i>no</i>	Abnormal dry contact, normally open	●	●	●	●				
		1	<i>nċ</i>	Abnormal dry contact, normally closed	●	●	●	●				
		2	<i>run</i>	Operating output contact	●	●	●	●				
<i>īnSL</i>	Input signal selection	Value	Display	Description of function	P	D	V	F	<i>Āīn</i>	R/W	141	R/W
		0	<i>Āīn</i>	External terminal analog input	●	●	●	●				
		1	<i>dgPE</i>	Digital input percentage	●	●	●	●				
		2	<i>dgRL</i>	Digital input actual value setting				●				
<i>dgīn</i>	Digital input value	It is 0.0~100.0(%) when IN.SL = DG.PE . It changes according to the selection of control mode when IN.SL = DG.RL , there are 0.0~100.0(%), 0.0~VO.ST(V), 0.0~IO.ST(A), 0.0~KW.ST(KW)			●	●	●	●	0.0	R/W	142	R/W
<i>RLdt</i>	Multi-function dry contact	0~250sec			●	●	●	●	0	R/W	143	R/W
<i>ċARt</i>	Time to return to display layer during non-operation	10~250sec			●	●	●	●	30	R/W	144	R/W
<i>tHrS</i>	Overheating reset selection	Value	Display	Description of function	P	D	V	F	<i>Auto</i>	R/W	145	R/W
		0	<i>Auto</i>	Automatic reset (80°C)	●	●	●	●				
		1	<i>āAnL</i>	Manual reset (Press Mode key to reset)	●	●	●	●				
<i>Loād</i>	Operating mode select in case of open load circuit or when the load output is lower then 5% of rated current	Value	Description of function	P	D	V	F	3	R/W	146	R/W	
		0	When detected, continue output, dry contact operation				●					
		1	When detected, stop output, dry contact operation				●					
		2	When detected, continue output, dry contact no operation				●					
<i>Loċk</i>	Parameter protection levels	Value	Description of function	P	D	V	F	0	R/W	147	R	
		0	Open all parameters	●	●	●	●					
		1	Lock the control layer	●	●	●	●					
		2	Lock the control layer and communication layer	●	●	●	●					
		3	Lock all parameters, only <i>Loċk</i> parameter remains unlocked	●	●	●	●					
4	Adjusting level for engineer commissioning	●	●	●	●							

3-1 Communication Layer : On the display layer, press + keys for 3 seconds

Parameter Code No.	Description	Range			Product Type				Default setting	Keyboard R/W	Parameter Address	Comm. R/W
					P	D	V	F				
<i>Addr</i>	Address	1~250			●	●	●	●	1	R/W	256	R/W
<i>bAud</i>	Baud rate	Value	Display	Description of function	P	D	V	F	96K	R/W	257	R/W
		0	48K	4800bps	●	●	●	●				
		1	96K	9600bps	●	●	●	●				
		2	192K	19200bps	●	●	●	●				
		3	384K	38400bps	●	●	●	●				
<i>Coan</i>	Communication protocol MODBUS RTU	Value	Display	Description of function	P	D	V	F	8n1	R/W	258	R/W
		0	8n1	8 bits, no parity, 1 stop bit	●	●	●	●				
		1	8n2	8 bits, no parity, 2 stop bits	●	●	●	●				
		2	8o1	8 bits, odd parity, 1 stop bit	●	●	●	●				
		3	8E1	8 bits, even parity, 1 stop bit	●	●	●	●				
<i>cnSL</i>	Communication operation control selection	Value	Display	Description of function	P	D	V	F	no	R/W	259	R/W
		0	no	Not in use	●	●	●	●				
		1	YES	In use	●	●	●	●				
<i>CLnd</i>	Communication operation control command	Value	Display	Description of function	P	D	V	F	Stop	R	260	R/W
		0	Stop	Stop	●	●	●	●				
		1	run	In operation	●	●	●	●				
<i>CrEr</i>	Clear error record	Value	Display	Description of function	P	D	V	F	no	R/W	261	R/W
		0	no	Doesn't clear error record	●	●	●	●				
		1	YES	Clear error record	●	●	●	●				
<i>rEst</i>	Reset to default value (When in parameter protection mode or in output mode, it cannot be reset to default value)	Value	Display	Description of function	P	D	V	F	no	R/W	262	R/W
		0	no	Doesn't reset to default value	●	●	●	●				
		1	YES	Reset to default value	●	●	●	●				
<i>UEr</i>	Controller firmware version	0.001~9.999			●	●	●	●	×	R	263	R
<i>UEr</i>	Digital control box firmware version	00.01~09.99			●	●	●	●	×	R	264	R
<i>FILE</i>	Load/save of user's parameter setting (Press ENT key for 3 seconds to confirm the execution)	Value	Display	Description of function	P	D	V	F	none	R/W	265	R
		0	none	None	●	●	●	●				
		1	LdWS	Load saved parameter (<i>noSt</i> displayed in case of no setting data)	●	●	●	●				
		2	StWS	Save current parameters	●	●	●	●				
<i>AOsL</i>	Analog output selection (Connect to 1 unit only. Vmax: 5VDC)	Display	Description of function	P	D	V	F	4-20	R/W	×	×	
		4-20	4~20mA	●	●	●	●					
		0-20	0~20mA	●	●	●	●					
<i>AOF</i>	Analog output corresponding values	Display	Description of function	P	D	V	F	out	R/W	×	×	
		in	Input percentage	●	●	●	●					
		out	Output percentage	●	●	●	●					
		U ⁻	Output voltage corresponding U ⁻ _n percentage ($U_{out} \div U_{n}^{-}$)			●	●					
		U ^o	Output voltage corresponding U ^o _{St} percentage ($U_{out} \div U_{oSt}$)			●	●					
		A ^{out}	Output current percentage ($A_{out} \div I_{oSt}$)			●	●					
<i>PO</i>	Output power percentage ($P \div P_{oSt}$)			●	●							
<i>AOZr</i>	Analog output ZERO adjustment	-10~10%			●	●	●	●	0	R/W	×	×
<i>AOsP</i>	Analog output SPAN adjustment	70~115%			●	●	●	●	100	R/W	×	×
<i>doSL</i>	Multifunctional electronic contacts	Display	Description of function	P	D	V	F	run	R/W	×	×	
		no	Abnormal dry contact, normally open	●	●	●	●					
		nC	Abnormal dry contact, normally closed	●	●	●	●					
		run	Operating output contact	●	●	●	●					
		CrFd	Current detection contact			●	●					

※Communication interval must be greater than 10ms.

※Support MODBUS communication function 03H, 06H, 10H.

※MODBUS communication function 03H can be read at most 20 times, 10H can be written at most 10 times.



3-2 Reading area of continuous 20 communications customized parameter layer :

On the communication layer, press  +  keys

Parameter Code No.	Description	Range	Product Type				Default setting	Keyboard R/W	Parameter Address	Comm. R/W
			P	D	V	F				
ud01	Parameter reading address of customized DATA 01	0~639	●	●	●	●	0	R/W	512	R/W
ud02	Parameter reading address of customized DATA 02	0~639	●	●	●	●	0	R/W	513	R/W
ud03	Parameter reading address of customized DATA 03	0~639	●	●	●	●	0	R/W	514	R/W
ud04	Parameter reading address of customized DATA 04	0~639	●	●	●	●	0	R/W	515	R/W
ud05	Parameter reading address of customized DATA 05	0~639	●	●	●	●	0	R/W	516	R/W
ud06	Parameter reading address of customized DATA 06	0~639	●	●	●	●	0	R/W	517	R/W
ud07	Parameter reading address of customized DATA 07	0~639	●	●	●	●	0	R/W	518	R/W
ud08	Parameter reading address of customized DATA 08	0~639	●	●	●	●	0	R/W	519	R/W
ud09	Parameter reading address of customized DATA 09	0~639	●	●	●	●	0	R/W	520	R/W
ud10	Parameter reading address of customized DATA 10	0~639	●	●	●	●	0	R/W	521	R/W
ud11	Parameter reading address of customized DATA 11	0~639	●	●	●	●	0	R/W	522	R/W
ud12	Parameter reading address of customized DATA 12	0~639	●	●	●	●	0	R/W	523	R/W
ud13	Parameter reading address of customized DATA 13	0~639	●	●	●	●	0	R/W	524	R/W
ud14	Parameter reading address of customized DATA 14	0~639	●	●	●	●	0	R/W	525	R/W
ud15	Parameter reading address of customized DATA 15	0~639	●	●	●	●	0	R/W	526	R/W
ud16	Parameter reading address of customized DATA 16	0~639	●	●	●	●	0	R/W	527	R/W
ud17	Parameter reading address of customized DATA 17	0~639	●	●	●	●	0	R/W	528	R/W
ud18	Parameter reading address of customized DATA 18	0~639	●	●	●	●	0	R/W	529	R/W
ud19	Parameter reading address of customized DATA 19	0~639	●	●	●	●	0	R/W	530	R/W
ud20	Parameter reading address of customized DATA 20	0~639	●	●	●	●	0	R/W	531	R/W

Reading area of continuous 20 communications

Parameter Code No.	Description	Range	Product Type				Default setting	Keyboard R/W	Parameter Address	Comm. R/W
			P	D	V	F				
DATA01	Read the parameter address data set by ud01	The same as the data range for the parameter address set for ud01	●	●	●	●	×	×	640	R
DATA02	Read the parameter address data set by ud02	The same as the data range for the parameter address set for ud02	●	●	●	●	×	×	641	R
DATA03	Read the parameter address data set by ud03	The same as the data range for the parameter address set for ud03	●	●	●	●	×	×	642	R
DATA04	Read the parameter address data set by ud04	The same as the data range for the parameter address set for ud04	●	●	●	●	×	×	643	R
DATA05	Read the parameter address data set by ud05	The same as the data range for the parameter address set for ud05	●	●	●	●	×	×	644	R
DATA06	Read the parameter address data set by ud06	The same as the data range for the parameter address set for ud06	●	●	●	●	×	×	645	R
DATA07	Read the parameter address data set by ud07	The same as the data range for the parameter address set for ud07	●	●	●	●	×	×	646	R
DATA08	Read the parameter address data set by ud08	The same as the data range for the parameter address set for ud08	●	●	●	●	×	×	647	R
DATA09	Read the parameter address data set by ud09	The same as the data range for the parameter address set for ud09	●	●	●	●	×	×	648	R
DATA10	Read the parameter address data set by ud10	The same as the data range for the parameter address set for ud10	●	●	●	●	×	×	649	R
DATA11	Read the parameter address data set by ud11	The same as the data range for the parameter address set for ud11	●	●	●	●	×	×	650	R
DATA12	Read the parameter address data set by ud12	The same as the data range for the parameter address set for ud12	●	●	●	●	×	×	651	R
DATA13	Read the parameter address data set by ud13	The same as the data range for the parameter address set for ud13	●	●	●	●	×	×	652	R
DATA14	Read the parameter address data set by ud14	The same as the data range for the parameter address set for ud14	●	●	●	●	×	×	653	R
DATA15	Read the parameter address data set by ud15	The same as the data range for the parameter address set for ud15	●	●	●	●	×	×	654	R
DATA16	Read the parameter address data set by ud16	The same as the data range for the parameter address set for ud16	●	●	●	●	×	×	655	R
DATA17	Read the parameter address data set by ud17	The same as the data range for the parameter address set for ud17	●	●	●	●	×	×	656	R
DATA18	Read the parameter address data set by ud18	The same as the data range for the parameter address set for ud18	●	●	●	●	×	×	657	R
DATA19	Read the parameter address data set by ud19	The same as the data range for the parameter address set for ud19	●	●	●	●	×	×	658	R
DATA20	Read the parameter address data set by ud20	The same as the data range for the parameter address set for ud20	●	●	●	●	×	×	659	R

4. Control Layer : On the display layer, press  +  keys for 3 seconds

Parameter Code No.	Description	Range			Product Type				Default setting	Keyboard R/W	Parameter Address	Comm. R/W
		Value	Display	Description of function	P	D	V	F				
Ct.nD	Control Mode	0	SP-P	Phase control proportional output	●	●	●	●	Standard V,A Indicating SP-P	R/W	384	R/W
		1	SZ-A	Zero crossing cycle sampling ※4	●	●	●	●				
		2	SZ-S	Zero crossing time sampling	●	●	●	●				
		3	SP.ZA	Phase start for cycle sampling ※4	●	●	●	●	Voltage feedback SP-CU			
		4	SP.ZS	Phase start for time sampling	●	●	●	●				
		5	SP.CU	Phase constant voltage				●	Full-function SP-CL			
		6	SP.CL	Phase limit current				●				
		7	SP.CC	Phase constant current				●				
		8	SP.CW	Phase constant power				●				
S.t.n	Sampling time ※1	1~10sec			●	●	●	●	2	R/W	386	R/W
P-Zt	Phase operation time ※2	1~250minutes or hours (Unit will refer to the setting of P-Zu)			●	●	●	●	1	R/W	387	R/W
P-Zu	Time unit of phase operation ※2	Value	Display	Description of function	P	D	V	F	n.n	R/W	388	R/W
		0	n.n	Minute	●	●	●	●				
1	Hr	Hour	●	●	●	●						
U.n	Input power supply voltage	Product main power supply voltage specification 1V : 40~120VAC 4V : 180~480VAC 6V : 460~690VAC						●	1V:110 4V:380 6V:660	R/W	389	R/W
U.o.St	Output voltage setting	0~Input power supply voltage						●	1V:110 4V:380 6V:660	R/W	390	R/W
I.o.St	Output current setting	0~Rated current						●	Rated current	R/W	391	R/W
o.C.St	Over current setting	0~150% (Set 0 for no detection)						●	120	R/W	392	R/W
P.W.St	Power setting ※3	0.0~Rated power						●	※5	R/W	393	R/W

※Note 1: Shall be needed when SZ-S or SP.ZS is selected.

※Note 2: Shall be needed when SP.ZA or SP.ZS is selected.

※Note 3: Shall be needed when SP.CW is selected.

※Note 4: Zero crossing cycle sampling control have the function of current limit for F type model.

※Note 5: Default value of KW.ST = $V_{in} \times I_{o.ST} \div 1000$ (KW)

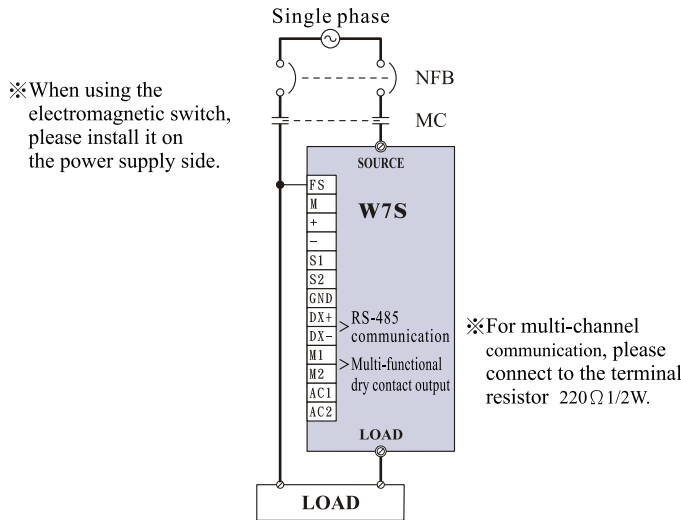
5. Description of transmission and error codes :

Parameter Code No.	Description	Range				Product Type				Parameter Address	Comm. R/W
		Value	Error Code	Description	With multi-functional dry contact output	P	D	V	F		
ErHP	Error message	0	nonE	No error	⊙	⊙	⊙	⊙	⊙	8	R
		4	Fb	No power transmission, blown fuse, or FS not connected (FS wiring and main circuit are not in the same phase sequence)	⊙	⊙	⊙	⊙	⊙		
		5	oC	Over current	⊙				⊙		
		6	oH	Overheat (85℃)	⊙	⊙	⊙	⊙	⊙		
		7	tHEr	Temperature sensor error	⊙	⊙	⊙	⊙	⊙		
		14	AF	Current detection	⊙				⊙		
		16	Lb	Load broken	⊙				⊙		
		17	Lo	Open load or output load lower than 5%	⊙				⊙		
		18	UFEr	Voltage feedback error	⊙				⊙		
		19	SCr.b	SCR module breakdown	⊙				⊙		
		31	EEPr	EEPROM error		⊙	⊙	⊙	⊙		
		32	Er1	Communication function code error		⊙	⊙	⊙	⊙		
		33	Er2	Communication address out of range		⊙	⊙	⊙	⊙		
		34	Er3	Communication data value out of range		⊙	⊙	⊙	⊙		
		35	Er4	Attempt to change read only or locked data during communication		⊙	⊙	⊙	⊙		
36	Er5	Communication read and write excess ※ 6		⊙	⊙	⊙	⊙				
37	Link	Linkage error of slave		⊙	⊙	⊙	⊙				
ERRS	Error reset	0, 1 (Write 1 for error reset)				⊙	⊙	⊙	⊙	9	R/W
SEC	Operation time second	0~59 seconds ※ 7				⊙	⊙	⊙	⊙	28	R
MIN	Operation time minute	0~59 minutes ※ 7				⊙	⊙	⊙	⊙	29	R
HR	Operation time hour	0~255 hours ※ 7				⊙	⊙	⊙	⊙	30	R
OUT.S	Output status	0, 1 (0:Without output ,1:With output)				⊙	⊙	⊙	⊙	50	R

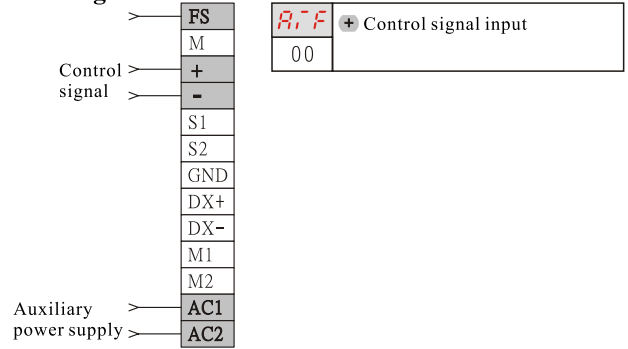
※Note 6: MODBUS communication function 03H can be read at most 20 times, 10H can be written at most 10 times.

※Note 7: Operation time will be reset to 0 after there is no output for 1 minute.

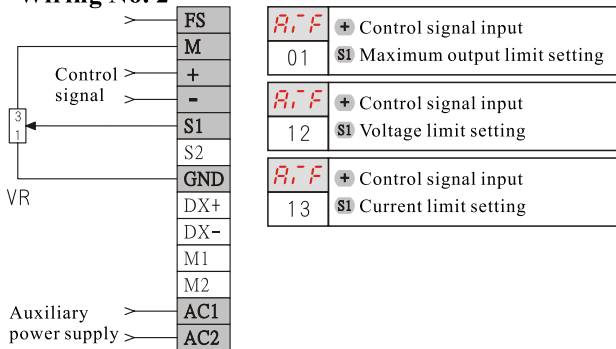
Main circuit wiring diagram :



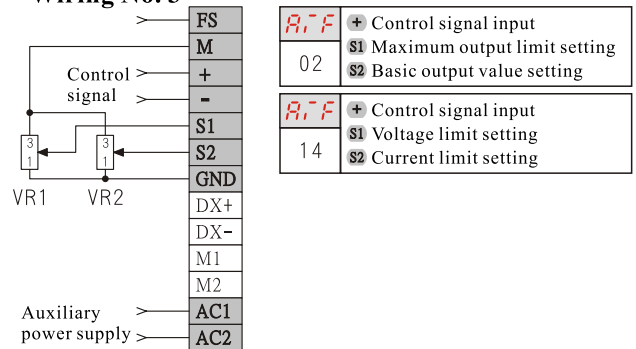
Wiring No. 1 :



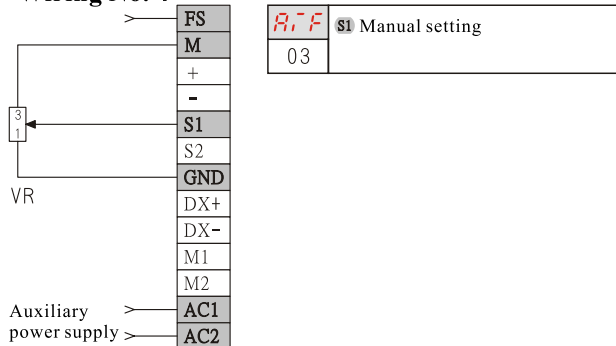
Wiring No. 2 :



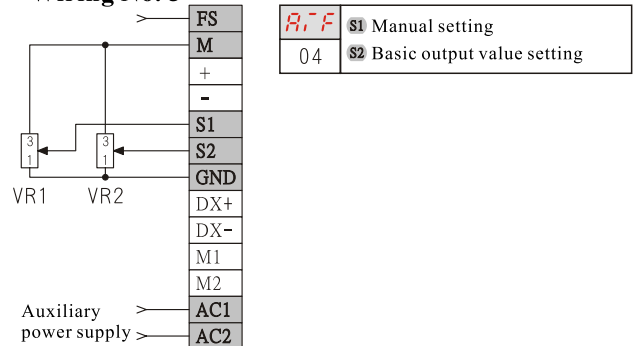
Wiring No. 3 :



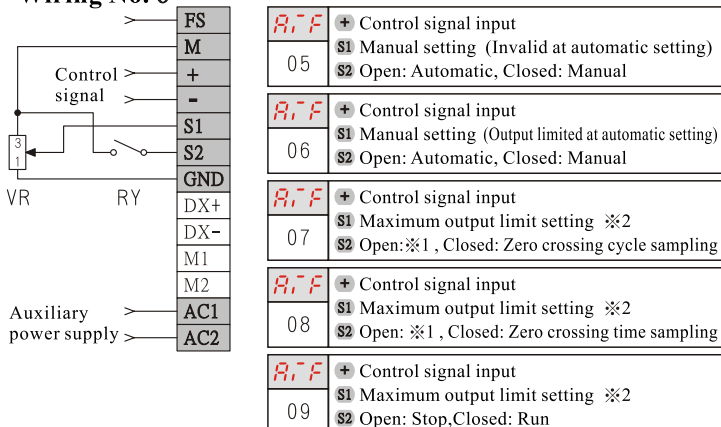
Wiring No. 4 :



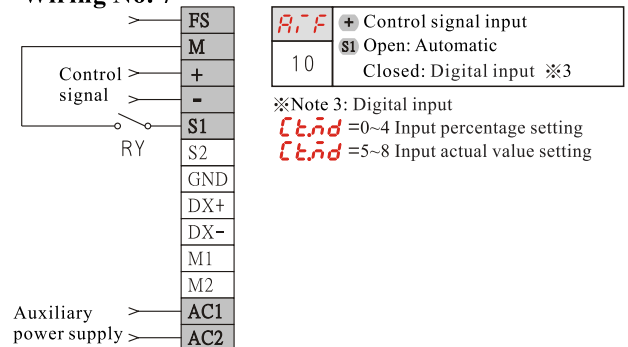
Wiring No. 5 :



Wiring No. 6 :



Wiring No. 7 :



※Note 1: When the contact is disconnected output will be according to CT.MD control mode.
 ※Note 2: Maximum output limit setting, when VR is not used please connect M & S1 with short circuit.