Single-phase Power Controllers - General / High-precision model

ANV

S1P-□-□-26
S1PH-□-□-26

128L x 138H x 40W

S1P-□-□-42
S1PH-□-□-42

177L x 146H x 53W

S1P-□-□-56
S1PH-□-□-56

190L x 146H x 53W

S1P-□-□-72
S1PH-□-□-72

198L x 155H x 61W

- Isolation of input signals and control power, Control stability, Exquisite appearance
- Built-in fast-acting fuse with fuse burnout indicator, Easy replacement
- Built-in overheat protection indicator and fan automatic start of stop device
- High-precision model output is operated by MCU with high-precision linear output
- Application with inductance load and resistance load

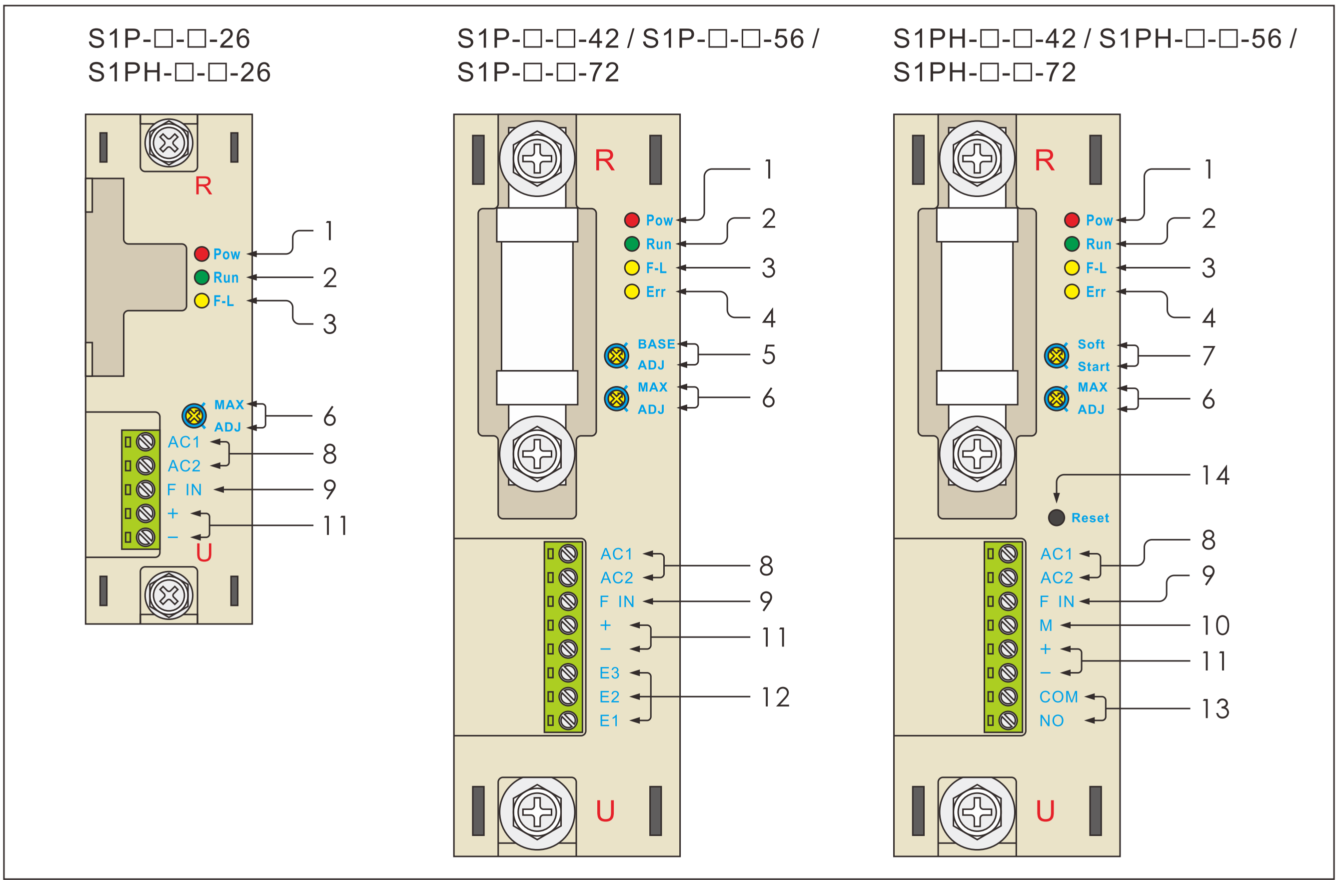
SPECIFICATIONS

MODEL	S1P-□-□-□□	S1PH-□-□-□□
LOAD VOLTAGE	AC 220~380V, 380~440V, 380~480V 50/60Hz	AC 220V, 380V, 415V, 440V, 480V 50/60Hz
OPERATING VOLTAGE	AC 220V±10% 50/60Hz (110VAC order by user)	
LOAD CURRENT	26A, 42A, 56A, 72A	
OUTPUT METHOD	Phase control	
OUTPUT VOLTAGE RANGE	0~100%	
INPUT CONTROL SIGNAL	DC 4~20mA (Default) DC 1~5V	DC 4~20mA (Default) DC 0~5V/ 1~5V/ 0~10V/ 2~10V
FREQUENCY	50/60Hz Manual Switching	50/60Hz Auto Switching
FAILURE INDICATOR	○ (*)	○ (*)
FAILURE OUTPUT CONTACT	- - -	○ (*)
HIGH-PRECISION LINEAR OUTPUT	- - -	○
EXTERNAL VR	○ (*)	○ (*)
OVERHEAT PROTECTION	○ (*)	○ (*)
FUSE BURNOUT DETECTION	○	○
INSULATION RESISTANCE	20MΩ or more between input terminals and case(ground) at DC 500V	
DIELECTRIC STRENGTH	2500VAC at 50/60Hz for 1 min between charged parts and noncharged parts	
AMBIENT TEMPERATURE	-10℃~+50℃	
AMBIENT HUMIDITY	45~90%RH	

(*) Indicates not applicable to 26A output

PARTS DESCRIPTION

SYMBOL		NAME	FUNCTION	SYMBOL		NAME	FUNCTION
Pow	1	Power indicator	When the operating power (AC1, AC2) is powered, Red indicator lights up.	F IN	9	Phase input terminal	Three-phase power supply for single-phase SCR control.
Run	2	Output indicator	When the SCR is output, Green indicator lights up.	M	10	Controller output terminal	External VR control. Terminal M output DC 5V/100mA. SW1 must be set to 0~5V. Only for High-precision model: 42A, 56A, 72A
F-L	3	Fuse burnout indicator	When fuse burnout, Yellow indicator lights up.	+ –	11	Temperature controller terminal	Connect the TC and the input signal must be set to 4~20mA.
Err	4	Failure indicator	Overheat is cycle flicker 4 time; Fuse burnout is cycle flicker 2 time.	E3 E2 E1	12	External VR terminal	Input signal adjustment range is 0~100%. When the VR on the panel is 0%, the external VR has no effect. Short E3 and E2 when external VR is no use. Only for general model: 42A, 56A, 72A
BASE ADJ	5	Adjusting of output basic	Adjust control signal reference.	COM NO	13	Failure output contact	Failure output contact: common terminal and normal open terminal.
MAX ADJ	6	Output voltage adjustable	Adjust the output voltage according to user demand.	Reset	14	Reset botton	When a failure occurs and after troubleshooting you must press the Reset button to reset SCR.
Soft Start	7	Power output raising time adjustable	Soft start 0~8s adjustable. S1PH-☐-☐-26 model fixed for 8s. General model not have this function.				
AC1 AC2	8	Operating power terminal	Input voltage AC 220V±10% 50/60Hz.				

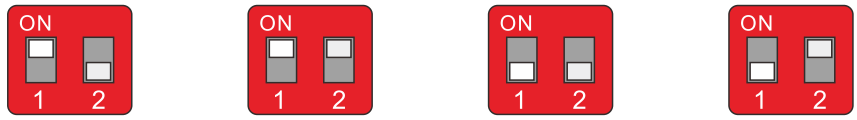


WEIGHT

S1P-☐-☐-26 S1PH-☐-☐-26	S1P-☐-☐-42 S1PH-☐-☐-42	S1P-☐-☐-56 S1PH-☐-☐-56	S1P-☐-☐-72 S1PH-☐-☐-72
Approx. 600g	Approx. 1000g	Approx. 1050g	Approx. 1200g

GENERAL MODEL INPUT SINGNAL SETING

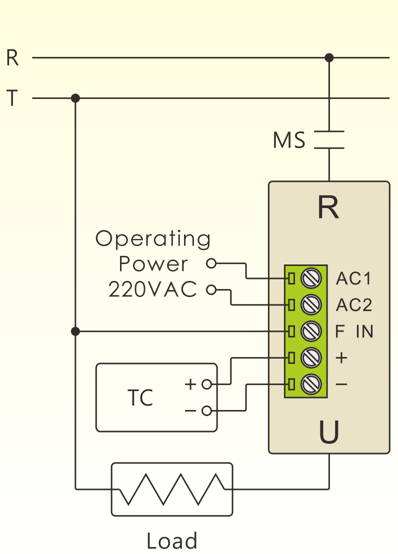
SW1:



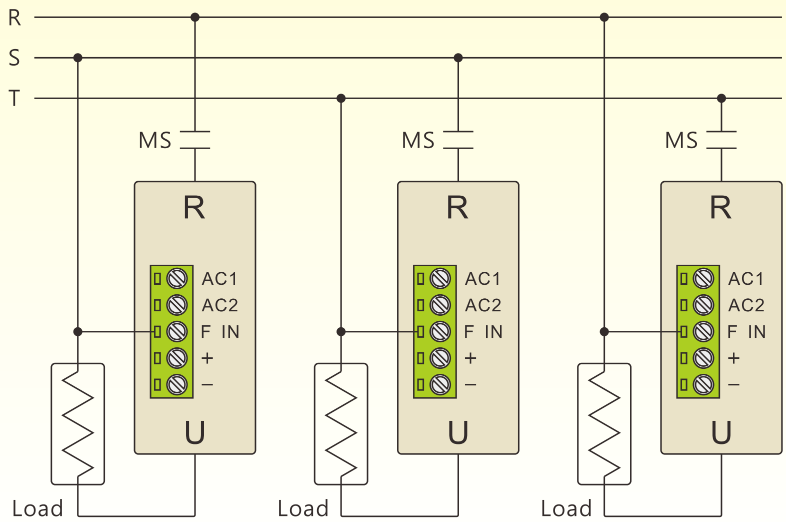
4~20mA / 60Hz (Default) | 4~20mA / 50Hz | 1~5V / 60Hz | 1~5V / 50Hz

GENERAL MODEL CONNECTION DIAGRAMS

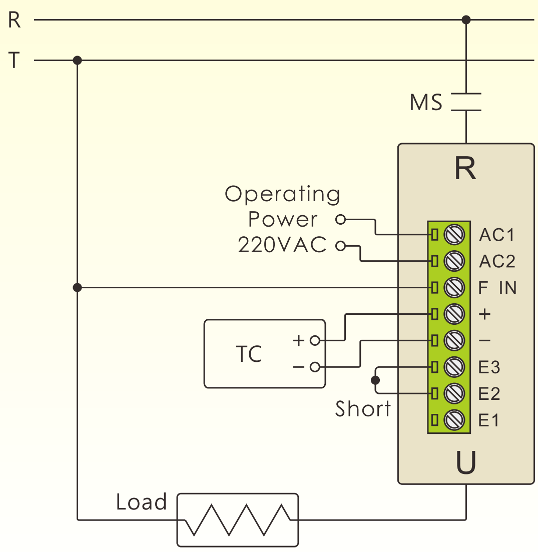
Input Signal 4~20mA
Applicable Model: S1P-□-□-26



Three-phase power supply for single-phase SCR

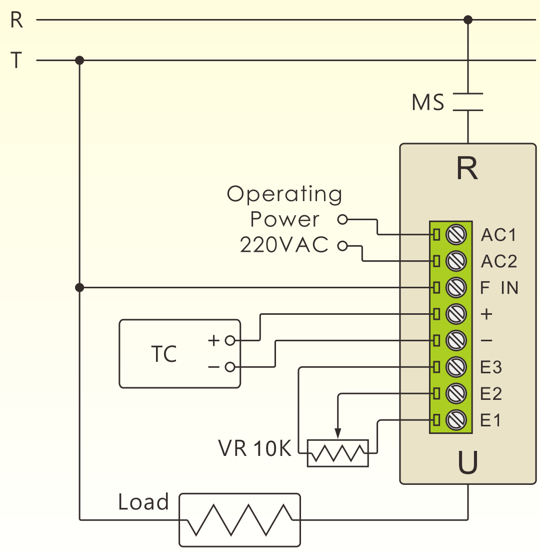


Input Signal 4~20mA, Applicable Model:
S1P-□-□-42, S1P-□-□-56, S1P-□-□-72



Short E3 and E2 when external VR is no use.

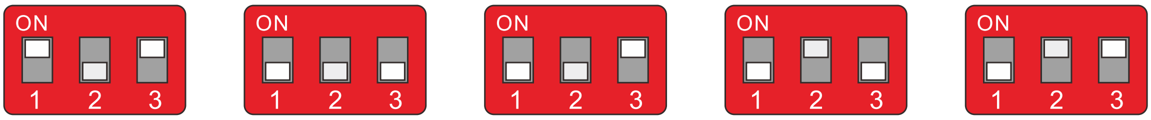
External VR control, Applicable Model:
S1P-□-□-42, S1P-□-□-56, S1P-□-□-72



When the VR on the panel is 0%,
the external VR has no effect

HIGH-PRECISION MODEL INPUT SINGNAL SETING

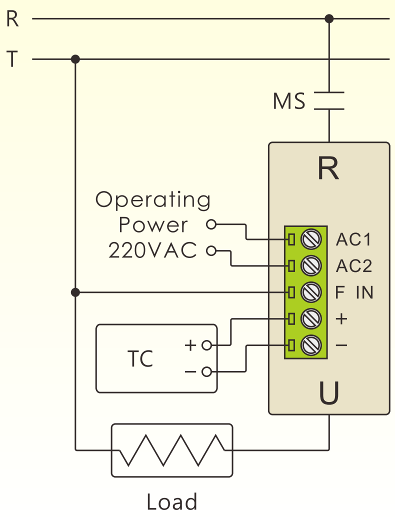
SW1:



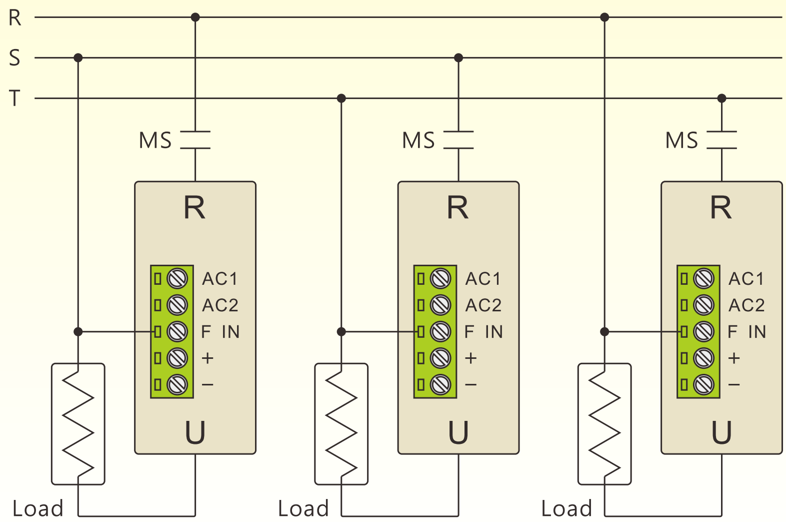
4~20mA (Default) | 0~5V | 1~5V | 0~10V | 2~10V

HIGH-PRECISION MODEL CONNECTION DIAGRAMS

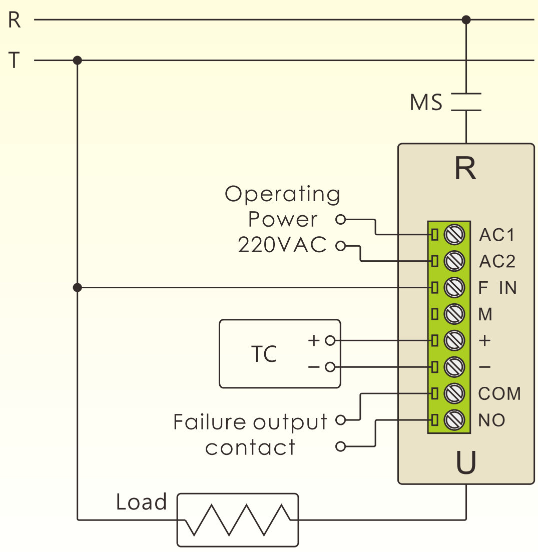
Input Signal 4~20mA
Applicable Model: S1PH-□-□-26



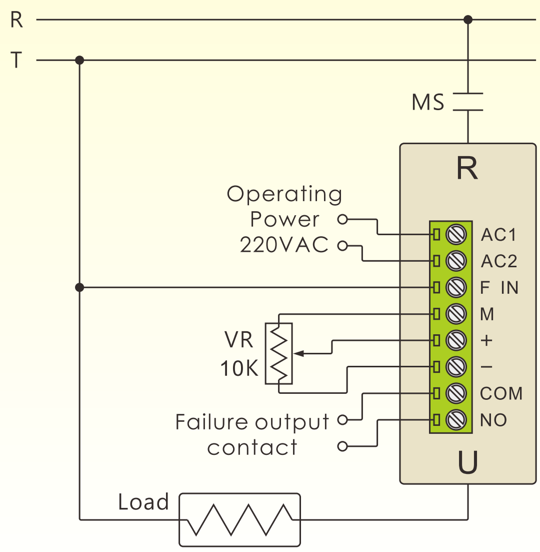
Three-phase power supply for single-phase SCR



Input Signal 4~20mA, Applicable Model:
S1PH-□-□-42, S1PH-□-□-56, S1PH-□-□-72



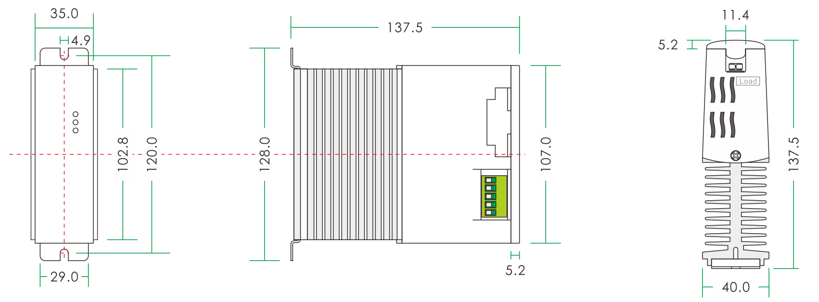
External VR control, Applicable Model:
S1PH-□-□-42, S1PH-□-□-56, S1PH-□-□-72



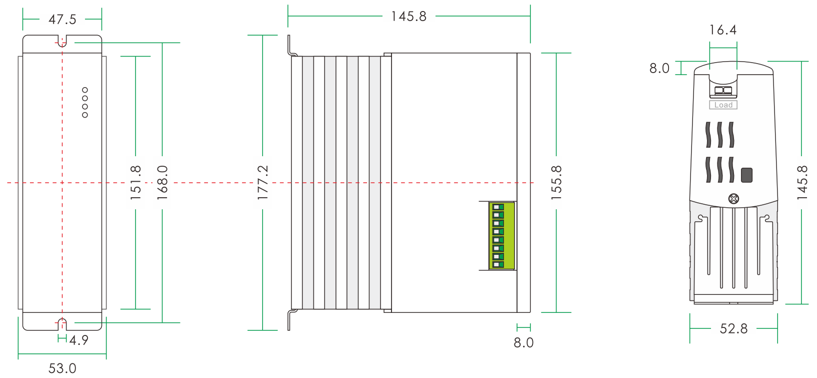
Terminal M output DC 5V/100mA.
SW1 must be set to 0~5V.

DIMENSIONS

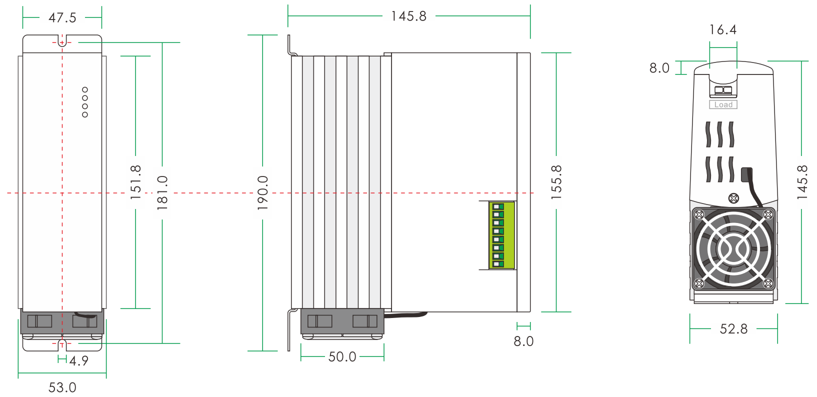
S1P-□-□-26 / S1PH-□-□-26



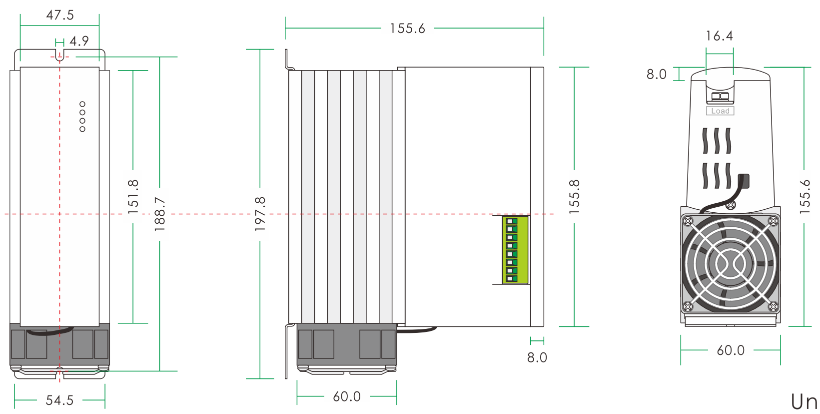
S1P-□-□-42 / S1PH-□-□-42



S1P-□-□-56 / S1PH-□-□-56



S1P-□-□-72 / S1PH-□-□-72



Units: mm

ORDER INFOMATION

TYPE		LOAD VOLTAGE		OPERATING VOLTAGE		LOAD CURRENT
S1P H	—	2	—	2	—	2 6

TYPE	
None	General model
H	High-precision model

LOAD VOLTAGE			
2	220VAC	6	480VAC
3	380VAC	A	220~380VAC
4	415VAC	B	380~440VAC
5	440VAC	C	380~480VAC

OPERATING VOLTAGE	
1	110VAC
2	220VAC
3	380VAC
4	440VAC

LOAD CURRENT	
26	26A
42	42A
56	56A
72	72A

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