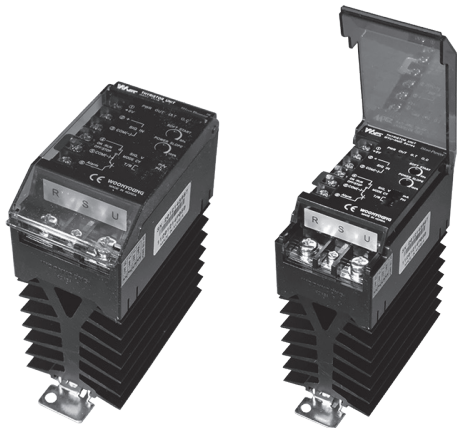


THYRISTOR UNIT(MINI TPR)

1Ø 220V

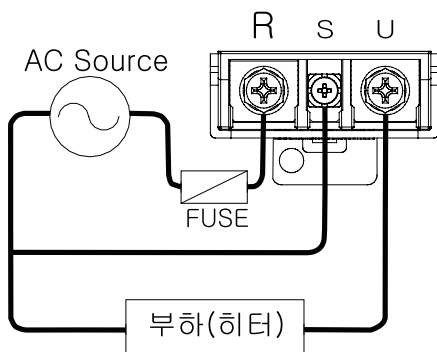
CE RoHS



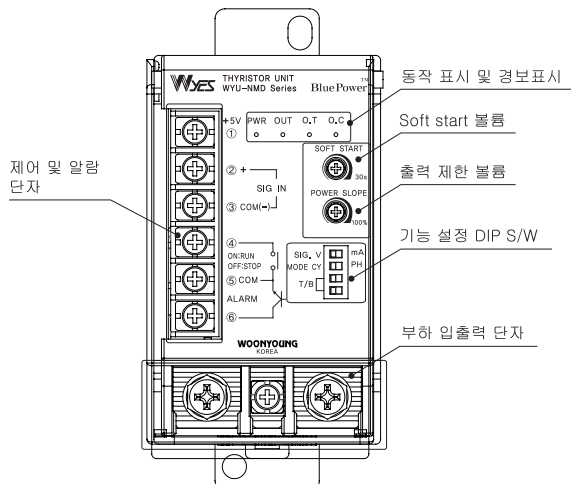
MICOM 회로를 채택하여 제어부분의 기능을 보다 정밀화 하였고 위상제어 및 사이클 제어가 겸용으로 한 제품에 내장되어있어 현장에서의 설정 및 설치가 쉬우며 AC 110~220V전원 LINE의 25A와 40A의 부하 전류를 제어할 수 있고 Soft Start 기능이 설정 가능하여 부하의 소손 및 수명에 대한 신뢰를 높였습니다.

MICOM circuits are used to make the function of the control unit more accurate and precise, and the embedded phase control and the cycle control facilitate setting and installing at site. Furthermore, the load current of AC 110~220V POWER LINE 25A and 40A can be controlled while the Soft Start function can be set enhancing the reliability of Load and life.

● Connection Diagram



● Name of Part



● Specifications

ITEM	MODEL	WYU-NMDG25SI	WYU-NMDG40SI
Rated voltage		AC 220V : AC 180V ~ 240V	
Rated current		25A	40A
Frequency		50 / 60Hz	
Control range		0 ~ 100%	
Load		Only Resistance(min. load 0.5A or more)	
Cooling		air cooling	
Control Input		DC 1 ~ 5V	
		DC 4 ~ 20mA	
		VR (10kΩ)	
		출력제한 볼륨(Power Slope)	
Setting mode	S/W	Phase mode (위상제어)	
Control-signal		Cycle mode (zero cross)	
		4~20mA & 1~5V	
Soft start		0 ~ 30sec (0=0.5sec)	
Display		LED	
Dielectric withstand		Pri-Sec, Pri-Earth : 2000Vac for 1Minute	
		Sec-Earth : 500Vac for 1Minute	
Insulation Resistance		100MΩ DC500V	
Operating temperature		0 ~ 40°C	
Storage temperature		-25 ~ 70°C	
Weight		0.39kg	

※ 110V : 주문제작 가능.

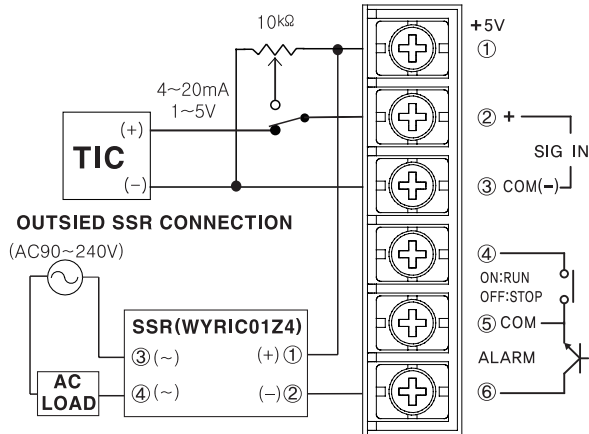
● Alarm

OT	85°C Over temp.
OC	110% Over current
접점 (Contact)	Open collector, DC 5 ~ 24V / 20mA

THYRISTOR UNIT(MINI TPR)

10 220V

● Terminal Connection Diagram



● Terminal

TERMINAL No.	explanation
② ③	제어 입력단자 (4~20mA, 1~5V)
① ② ③	외부 볼륨 입력단자(10kΩ)
④ ⑤	Run/Stop 입력 단자
⑤ ⑥	경보 출력 단자 (Open collector)

ITEM	DESCRIPTION
ON—LED(Green)	- Aux 전원이 인가되면 점등 - The light will be turned on if TPR obtains electricity
OUT—LED(Blue)	- 제어 입력이 (4mA or 1V) 초과 인가되면 점등 - The light will be turned on if control input obtains
O.T—LED(Red)	- 동작 중 제품 내부 온도가 85°C이상 상승 시 점등 (알람 및 동작정지) - The light will be turned on if inner temperature exceeds 85°C during operation. (Operation will stop and alarm contact will be issued)
O.C—LED(Red)	- 과전류 발생시 TPR의 보호를 위해, 정격 전류 110% 이상시 점등 (알람 및 동작정지) - The light will be turned on to protect the TPR if the rated current reaches 110% in the event of over-current. (Operation will stop and alarm contact will be issued)
POWER OUTPUT	- 제어 입력과 별도로 출력을 제한 하기 위한 볼륨입니다. - This volume is designed to restrict the output apart from the control input.
Mode—S/W (Mode)	- 제어 방식을 선택 할 수 있습니다. Phase—mode(좌), Cycle—mode(우) - You are allowed to select a control mode. Phase—mode(Left), Cycle—mode(Right)
S.S—S/W (Soft start)	- Soft start 시간을 선택 할 수 있습니다. (0(0.5) ~ 30sec) - You are allowed to select a soft start time option. (0(0.5) ~ 30sec)
IN—S/W (Control Signal)	- 제어 신호를 선택할 수 있습니다. 4 ~ 20mA(좌), 1 ~ 5V(우), 외부 V.R(우) - You are allowed to select a soft start time option. 4~20mA(Left), 1~5V(Right), 외부 V.R(Right)

※ O.T, O.C LED 점등 상태에서 TPR은 OFF가 되며 해제하기 위해서는 AUX 재투입이 필요함.

※ T P R is turned off if the light (O.T LED or O.C LED) is on. Turn off the power and then on again to unlock it.

● Dimension

