

MD-202U

● Characteristic

- . Adopting double safety circuit so that the system is not to be operated when there is an abnormal signal on the flame detection circuit
- . Safety system operates when a fire is not ignited or a fire goes out suddenly
- . Removes inflammable gas in the furnace when there is a fire extinction or an operating interruption
- . In preparation of fire extinction, manually reset is operated

● Nominal

- . Nominal voltage : AC 200~240V 50/60Hz 1phase
- . Ambient temperature : $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- . Ambient air density : $35\% \sim 85\%$
- . Power capacity : AC250V 5A
- . Power consumption : MAX 7W , AC 30mA이하

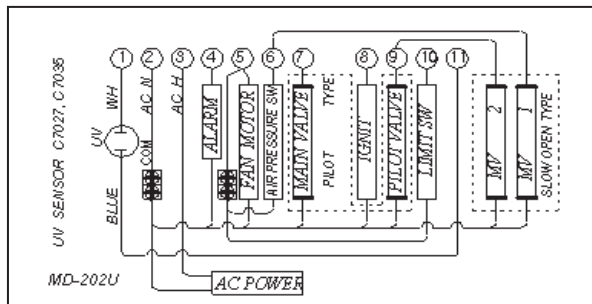
● Time

- . Pre purge time : $15\text{S} \pm 4\text{S}$
- . Post ignition time : $6\text{S} \pm 2\text{S}$
- . Safety switch : $3\text{S} \pm 1\text{S}$
- . Delay in extinction detection : 1S 이하
- . Post purge (In case of safety switch) : $20\text{S} \pm 5\text{S}$

● Fire detection (UV TRON detect type of ultraviolet light radiation)

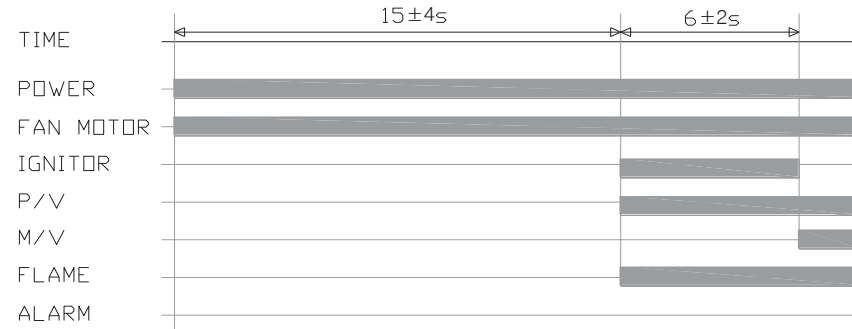
- . UV TRON current Value of catching fire : $> \text{DC } 1.5\text{mA}$ (UV 7027A or 7035)
- . UV TRON current Value of misfiring : $< \text{DC } 1\text{mA}$ (UV 7027A or 7035)

● Circuit connection

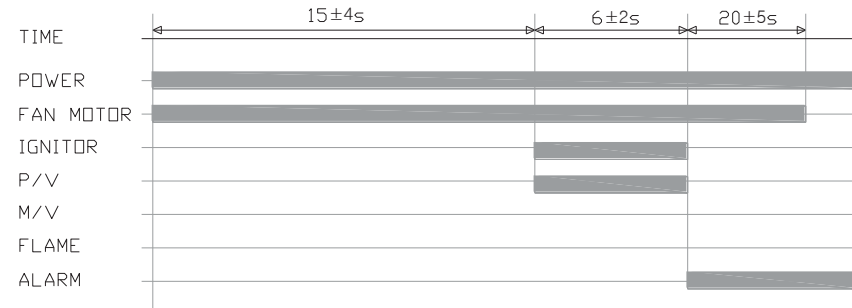


● PTR operating conditions

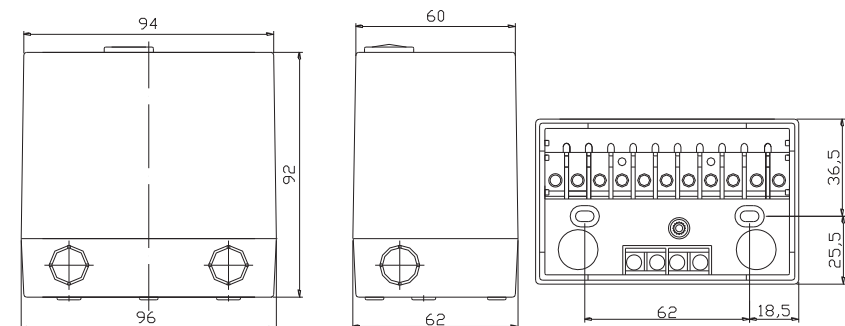
. Normal operation



. The beginning misfiring (safety interruption)



● Outline dimensions



- . Case should be made of ABS material(noncombustible material)