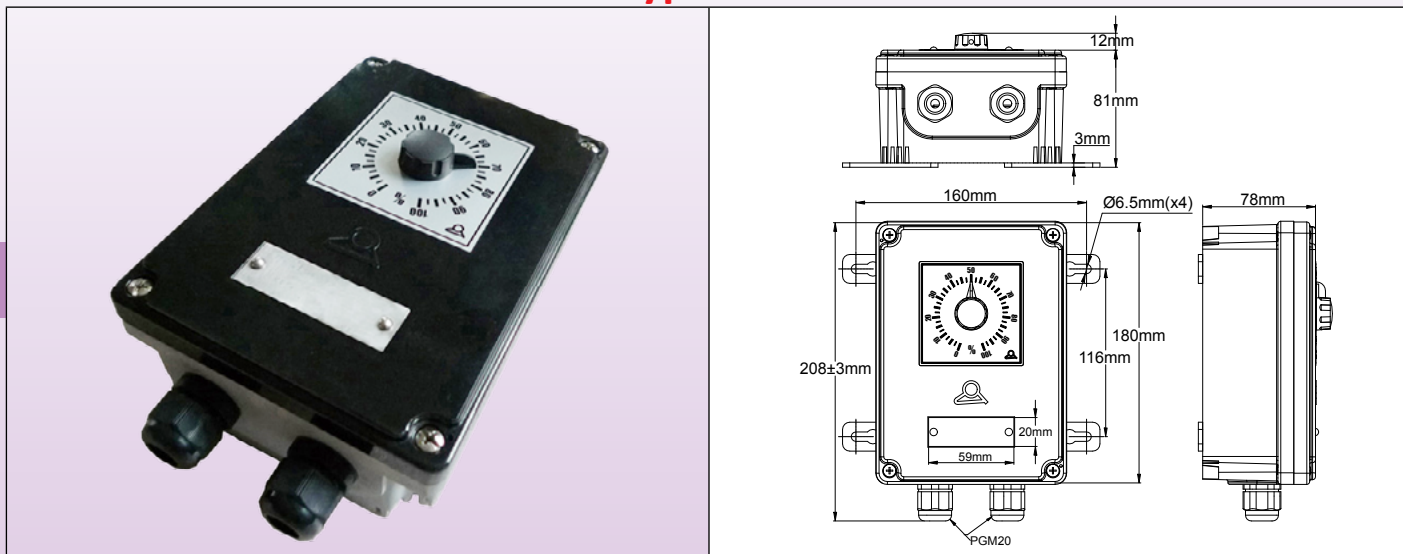




Controls for air heating

Electronic power control for infrared heaters, 25 to 60A. IP65 housing with built in heat exchanger

Type 3AY



Applications

Solid state relay power control, for metering power of infrared emitters between 5% and 100% of their nominal value. For use in professional and commercial premises, industrial and livestock buildings.

Main features

Set point display: Potentiometer graduated in % of power.

Output: Zero crossing, (no radio interference), with 10ms cycle time, for use on low thermal inertia medium and long infrared emitters.

Enclosure: 180x130x78mm, rear in aluminum with cooling fins, front in black PA66.

Protection class: IP65, with waterproof gasket on adjustment potentiometer shaft

Mounting: Wall mounting, with 4 removable legs, 70 x 96mm distance

Internal Connection: 4 ways 6mm², ceramic terminal block. (2 power input terminals, 2 power output terminals). 2 earth terminals.

Cable Input-Output: By 2 cable glands, M20, polyamide.

Overheat protection: Built in high limit disc thermostat, automatic reset, opens at 80°C.

2 pole on-off switch: Available on 25A 220-240 models only (does not allow power adjustment between 0 and 20%)

Residual voltage at off: ≤ 1.5V

Leakage current at off: ≤ 4mA

Ambient temperature: -20 to +70°C

Isolation Voltage: 2000VAC

Insulation resistance: 500MΩ/500VDC

Important:

- Like all solid state relays, this device dissipates about 0.5% of the power by the Joule effect.
- Install this unit in a line with a power switch and an appropriate circuit breaker.
- Not to be used for electric motor speed control

Main references

Reference	Max. power	Voltage	Reference	Max. power	Voltage
3AYM30100125*	25A	220-240V	3AYN30700125	25A	380-400V
3AYN30100125	25A	220-240V	3AYN30700140	40A	380-400V
3AYN30100140	40A	220-240V	3AYN30700160	60A	380-400V
3AYN30100160	60A	220-240V			

* Model with 2 pole on-off switch

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice