

THERMOSTATS SERIES AM05

KEY BENEFITS

- Individually temperature checked on Modern equipment
- Material of snap-action disc made by the famous USA Engineer Material System
- Repeatable temperature performance over life
- Gasketed steel case suitable for most impregnation processes
- Wide selection of leads and insulating sleeves

APPLICATION

- Shaded pole motors
- Permanent split capacitor motors
- Fluorescent lighting ballasts
- HID ballasts
- Transformers
- Recessed lighting fixtures
- Battery packs
- Vacuum cleaners
- Automotive accessory motors
- Solenoids, PC boards and other applications

CERTIFICATIONS

AGENCY	STANDARD NUMBER	APPLICATION
UL	2111	Motor Protection
UL	873	Limit and regulating controls
VDE	EN 60730-2-2	Motor Protection

MAXIMUM CONTACT RATINGS 6000 cycles

VOLTAGE	CURRENT
270VAC	10A
120VAC	22A
16VDC	20A

OPERATION

The operating principle of the AM05 is both simple and effective. At the heart of the protector is a bimetal snap action disc. When the temperature of this disc reaches its rated temperature it snaps open, resulting in an open circuit. This temperature is reached during a fault condition, caused by either an increase in ambient temperature, an increase in current flowing through the disc, or a combination of both. After the AM05 breaks the circuit, the system cools and the AM05 automatically resets allowing power to be restored to the circuit.

QUALITY

Each AM05 rating has a bimetal disc designed and manufactured for that specific temperature rating. Each individual device is then calibrated and checked for opening temperature. This results in precise operating characteristics necessary to achieve consistent, reliable performance over the required life cycle. This high level of performance is obtained thru our traditional emphasis on quality. Temperature range: 50°C-180°C.

