

Role of Current Relays in Compressor Ignition

Category: Refrigeration
written by www.mbsmpro.com | January 29, 2026

CHARACTERISTIC TABLES OF
VARIOUS START AND PROTECTION DEVICES

CURRENT RELAYS				THERMAL OVERLOAD PROTECTORS			
							
Model	1000	1001	1002	Model	1000	1001	1002
HP	1/2	3/4	1	HP	1/2	3/4	1
Amperage	15	20	25	Amperage	15	20	25
Volts	115	230	230	Volts	115	230	230
Frequency	60	60	60	Frequency	60	60	60

THERMAL OVERLOAD PROTECTORS				THERMAL OVERLOAD PROTECTORS			
							
Model	1000	1001	1002	Model	1000	1001	1002
HP	1/2	3/4	1	HP	1/2	3/4	1
Amperage	15	20	25	Amperage	15	20	25
Volts	115	230	230	Volts	115	230	230
Frequency	60	60	60	Frequency	60	60	60

THERMAL OVERLOAD PROTECTORS				THERMAL OVERLOAD PROTECTORS			
							
Model	1000	1001	1002	Model	1000	1001	1002
HP	1/2	3/4	1	HP	1/2	3/4	1
Amperage	15	20	25	Amperage	15	20	25
Volts	115	230	230	Volts	115	230	230
Frequency	60	60	60	Frequency	60	60	60

Selecting the right electrical components is the heartbeat of refrigeration maintenance. When a compressor fails to start or constantly trips, the culprit is often a mismatched Current Relay or a fatigued Thermal Overload Protector. Ensuring these parts align perfectly with the compressor’s horsepower (HP) and amperage rating is vital for long-term system reliability.