

7800 SERIES EC7850

Product Data Sheet

EC7850A1072

Burner Control Relay Module

RATED MAINS SUPPLY	SUPPLY-VOLTAGE TOLERANCE	MAINS FREQUENCY	MAXIMUM RELAY-MODULE POWER
220 to 240 V AC	+10% / -15%	50/60 Hz ±10%	10 W

Honeywell EC7850A1072 is a microprocessor-based burner control relay module in the 7800 Series. It provides automatic burner sequencing and flame-safety supervision for compatible single-burner gas, oil or combination-fuel systems.

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VERIFIED TECHNICAL DATA

Rated mains supply	220 to 240 V AC
Supply-voltage tolerance	+10% / -15%
Mains frequency	50/60 Hz ±10%
Maximum relay-module power	10 W
Maximum connected load	2000 VA
Maximum external fuse	20 A
Operating ambient	-40 to 60 deg C
Storage temperature	-40 to 65 deg C
Continuous humidity limit	85% RH, non-condensing
Vibration rating	0.5 G

ADDITIONAL PRODUCT DATA

Status LED allocation	5 indicators
Fault-history capacity	6 most recent faults
Pilot stabilization interval	5 s
Postpurge interval	2 s
Flame failure response	1 s or 2 s, selected amplifier dependent

DOCUMENTED USE SETTINGS

Food Processing and Beverage Production: Food Baking and Drying.

Metal Manufacturing and Thermal Materials Processing: Metal Heat Treatment Processes.

Commercial Heating and District Energy Production: Commercial Building Space Heating.

SYSTEM COMPATIBILITY

Use EC7850A1072 in its documented 7800 Series EC7850 arrangement. Compare the installed connections and controlled system configuration before integrating the supplied item.

PRODUCT EVIDENCE

Honeywell EC7830A/EC7850A Product Data 65-0200-1; EC7850A1072 timing identity from official cross reference 70-8313-02 p.28