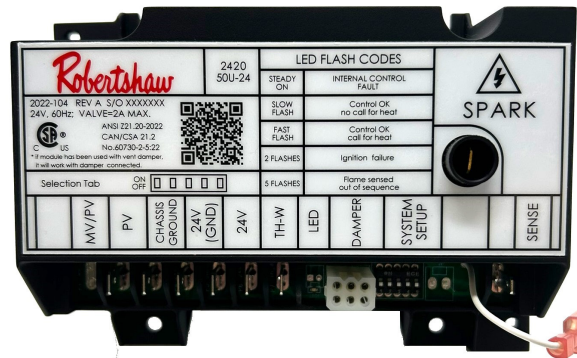


780U Universal Series

780U-DS20 Universal Direct Spark Ignition Module

Robertshaw



Description

The Robertshaw 780U-DS20 Universal Direct Spark Ignition Module, part of the 780U Universal Series, is a versatile 24V ignition module designed for gas furnaces, boilers, water heaters, and commercial cooking equipment. It offers customizable settings for trials, pre-purge, trial for ignition, inter-purge, and restart time, ensuring optimal performance across various applications. This module is compatible with both natural and LP gas and supports both single rod (local sense) and two rod (remote sense) flame sensing. It can replace over 150 models, including those from Honeywell, White-Rodgers, and Fenwal. The 780U-DS20 also includes a vent damper connection and LED indicators to display flame presence, strength, and system status and errors.

Features and Benefits

- Configurable 24V ignition module
- Selectable number of trials, pre-purge, trial for ignition, inter-purge and restart time
- Replaces over 150 models including Honeywell, White-Rodgers, Fenwal and others
- Flame sensing supports both single rod (local sense) and two rod (remote sense)
- Compatible with both Natural and LP gas
- Vent damper connection allows for connection to a vent damper
- LED indicators provide troubleshooting and notifications for flame presence/strength and displays system status and errors

Applications

- Gas Furnaces
- Boilers
- Water Heaters
- Commercial Cooking

1 Year
Limited
Warranty



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Specifications

- Control Voltage: Line 24V (20-28 VAC) 50-60 Hz
- Anticipator Settings: 0.25 A plus valve load at 24 VAC
- Flame Failure Response Time: 2 seconds max.
- Minimum Operating Temperature Rating: -40°F (-40°F)
- Maximum Operating Temperature Rating When Used with 2.0A Main Valve: 176°F (80°C)
- Valve Current Rating: 2.0 A Pilot and 2.0 A Main at 24 VAC

780U-DS20 Replacement and Cross Reference

OEM	Manufacturer Series Part Number
Baso	C107U
Resideo/Honeywell	S87
White-Rodgers	50D50-842
Fenwal	35-60, 35-61
Fenwal	35-63
Johnson Controls	G60/65/67/77

