

# Electronic Range Controls

ERC Series

Robertshaw



100-01558-161AM



100-01660-181AM

## Description

Robertshaw® Electronic Range Controls (ERCs) regulate temperature from 170°F to 550°F (76.6°C to 287.7°C) and also perform self-cleaning, delayed bake timing, timer and clock functions in Whirlpool® self-cleaning gas and electric ranges. Drop-in replacements for industry standard ERCs, they are available with a 4 digit LED display with icons or a 3.5 digit LED display with custom graphics and a new configurable keyboard. All models feature an economical one piece Lexan assembly with integrated user input switches.

## Features and Benefits

- 12 available models
- Line voltage rated; 120V/220 +10%-15%, 50/60 Hz line (auto detect); 120V AC
- Available with 4 digit LED display with icons or 3.5 digit LED display with custom graphics
- New configurable keyboard
- Control up to 4 cooking modes

## Applications

- Whirlpool residential self-cleaning gas or electric ranges

**1** Year  
Limited  
Warranty

Robertshaw  
RANCO • PARAGON • CASTFUTURA

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05/24 150-2860 RevB

## Specifications

Part Number	Electrical Rating	Temperature Range	Relay Output	Cooking Modes
100-01558-153AM	Line voltage rated; 120V/220 +10% to 15%, 50/60 Hz line (auto detect); 120V AC	170°F to 550°F (76.6°C to 287.7°C)	3	Bake/Broil
100-01558-161AM	Line voltage rated; 120V/220 +10% to 15%, 50/60 Hz line (auto detect); 120V AC	170°F to 550°F (76.6°C to 287.7°C)	3	Bake/Broil
100-01660-174AM	Line voltage rated; 120V/220 +10% to 15%, 50/60 Hz line (auto detect); 120V AC	170°F to 550°F (76.6°C to 287.7°C)	5 Gas, 5 Electric	Bake/Broil/Convect Bake/Warm
100-01660-175AM	Line voltage rated; 120V/220 +10% to 15%, 50/60 Hz line (auto detect); 120V AC	170°F to 550°F (76.6°C to 287.7°C)	5 Gas, 5 Electric	Bake/Broil/Convect Bake/Warm
100-01660-176AM	Line voltage rated; 120V/220 +10% to 15%, 50/60 Hz line (auto detect); 120V AC	170°F to 550°F (76.6°C to 287.7°C)	5 Gas, 5 Electric	Bake/Broil/Convect Bake/Warm
100-01660-180AM	Line voltage rated; 120V/220 +10% to 15%, 50/60 Hz line (auto detect); 120V AC	170°F to 550°F (76.6°C to 287.7°C)	5 Gas, 5 Electric	Bake/Broil/Convect Bake/Warm
100-01660-181AM	Line voltage rated; 120V/220 +10% to 15%, 50/60 Hz line (auto detect); 120V AC	170°F to 550°F (76.6°C to 287.7°C)	5 Gas, 5 Electric	Bake/Broil/Convect Bake/Warm
100-01660-182AM	Line voltage rated; 120V/220 +10% to 15%, 50/60 Hz line (auto detect); 120V AC	170°F to 550°F (76.6°C to 287.7°C)	5 Gas, 5 Electric	Bake/Broil/Convect Bake/Warm
100-01663-160AM	Line voltage rated; 120V/220 +10% to 15%, 50/60 Hz line (auto detect); 120V AC	170°F to 550°F (76.6°C to 287.7°C)	3	Bake/Broil
100-01663-161AM	Line voltage rated; 120V/220 +10% to 15%, 50/60 Hz line (auto detect); 120V AC	170°F to 550°F (76.6°C to 287.7°C)	3	Bake/Broil
100-01663-162AM	Line voltage rated; 120V/220 +10% to 15%, 50/60 Hz line (auto detect); 120V AC	170°F to 550°F (76.6°C to 287.7°C)	3	Bake/Broil
100-01558-160AM	Line voltage rated; 120V/220 +10% to 15%, 50/60 Hz line (auto detect); 120V AC	170°F to 550°F (76.6°C to 287.7°C)	3	Bake/Broil

## Replacement Information

Robertshaw Part Number	Replaces Whirlpool Part Number
100-01558-153AM	W10841328
100-01558-161AM	W10841330 / W10556710
100-01660-174AM	W10887917
100-01660-175AM	W10887919
100-01660-176AM	W10887916
100-01660-180AM	W10887921
100-01660-181AM	W10887923
100-01660-182AM	W10887924
100-01663-160AM	W10887898
100-01663-161AM	W10887899
100-01663-162AM	W10887901
100-01558-160AM	W10841331

