Robertshaw®

2701-002
2701-003

**SLIMZONE® DELUXE
ZONE CONTROL PANELS**

Three-Zone Panel Model

Features and Benefits

Low profile, ultra slim logic panel.

Standard unit controls three zones.

Expandable up to seven zones in two-zone increments.

Compatible with electric, gas, oil or heat pump equipment.

Controls three-stage heat and two-stage cool for heat pumps.

Controls two-stage heat and two-stage cool for heating and cooling equipment.

Add-on heat pump equipment eliminates need for a fossil fuel kit.

LED indicator displays all system functions.

Clock input terminals set universal system scheduling.

Selectable upstage delay to auxiliary heat of 5, 10, 15 or 20 minutes.

Independent fan control available for each zone.

Selectable continuous fan and plenum fan switch.

On-board emergency/normal/off selector switch.

45-second fan purge into last zone(s) for added comfort.

Smoke input terminals allow connection to duct smoke detectors.

Contains high/low limit and balance point inputs.

Unit has selectable control algorithms and time or zone upstaging.

Minimum ON/OFF time override feature.

Selectable G2 fan provides control by zones or stages.

G2 has selectable economizer power terminal.

Product Description

The Robertshaw SlimZone® Deluxe zone panel is Simply the Right Choice™ for light commercial and residential applications. It is designed for up to seven zones when installed with a single heating and air conditioning unit. The SlimZone® Deluxe is compatible with HVAC constant volume zone systems. Each zone is controlled by its own thermostat and motorized dampers which are wired to the SlimZone® Deluxe zone panel using 18-gauge thermostat wire. The zone panel utilizes microprocessor technology to monitor thermostats, and is wired directly to HVAC equipment. When temperature adjustments are required, the SlimZone Deluxe zone panel energizes HVAC equipment using selectable algorithms.

The system consists of the SlimZone Deluxe master board which controls up to three zones. It can be increased up to seven zones in two-zone increments when used with SlimZone Deluxe two zone expander boards. Air distribution to each zone is controlled by two-wire spring return or three-wire power open-power closed rectangular or round motorized dampers. A dedicated 24V AC, 40 VA transformer is required to power the SlimZone Deluxe master board and expander boards. A 24V AC power supply is required to provide electricity to the zone dampers and thermostats.

An ISO 9001 – 2000 Certified Company

Robertshaw® Zone Control Systems

The Robertshaw SlimZone® Deluxe (2701-002) zone control panel can be expanded from three to seven zones by adding SlimZone Deluxe expander boards (2701-003). These units are added to the system in two-zone increments. A total of two expander boards can be connected to the SlimZone Deluxe zone panel, allowing for a total of seven zones. The SlimZone Deluxe zone control panel powers the SlimZone Deluxe expander boards.

Robertshaw® Zone Control Systems

Robertshaw Panels

Classic panel:	up to 2 zones	2701-006
	up to 3 zones	2701-001
Deluxe panel:	up to 7 zones	2701-002
Premier panel:	up to 19 zones	2702-001

Robertshaw Dampers
Rectangular motorized zone dampers

Round motorized zone dampers

Bypass non-electric zone dampers

Robertshaw Thermostats
Programmable thermostats

Digital non-programmable thermostats

Mechanical thermostats

Specifications

Item	**2701-002** SlimZone® Deluxe 3-Zone Logic Panel
	2701-003 SlimZone® Deluxe 2-Zone Expander Board
Power requirements	Dedicated 24V AC, 40 VA transformer
Operation	• First call priority • Timeshare control algorithm
Functional ratings	14˚F to 158˚F (-10˚C to 70˚C)
Storage ratings	-4˚F to 158˚F (-20˚C to 70˚C)

NOTE: It is recommended that the logic panel be installed in a conditioned environment. If installed in an unconditioned space, the current limiting devices used in the panel are temperature dependent. The following linear relationship exists between the ambient temperature and the operating current.

Ambient temperature	Maximum current
-4˚F (20˚C)	3.40 amps
32˚F (0˚C)	2.98 amps
68˚F (20˚C)	2.50 amps
104˚F (40˚C)	2.03 amps
122˚F (50˚C)	1.80 amps
140˚F (60˚C)	1.58 amps
158˚F (70˚C)	1.35 amps

Humidity	20% to 90% relative humidity
Terminal designations	Equipment: W1, W2/O/B, Y1, Y2, RH,O/B, RC Thermostat: R, 24N, W, Y, G Zone damper: PC, 24N, PO
Thermostats	• Requires only single-stage electromechanical (Use resistor kit) or electronic thermostats • 24-volt mechanical (Use resistor kit) • 24-volt digital • 24-volt programmable
Dimensions	8.75" x 9.5" x 1.75" (22 cm x 24 cm x 45 cm)
Weight	3 lb. (1.36 kg.)
Wiring	#18 gauge thermostat wire
Minimum ON/OFF times	4 minutes in cooling mode 2 minutes in heating mode
Protection	• Permanent polyfuse protection for all outputs • Equipment short cycle protection
System setup	• Designated switch selections • Add-on/normal • Intermittent fan/continuous fan • Emergency heat/normal/off