Specifications

ELECTRICAL
Primary Operating Voltage: 120 VAC, 60 Hz
Transformer: UL listed, Class II, plug-in, 16 VAC, 1.25 A (supplied)
Back-Up Battery: 4.0 Amp-hour, 12 VDC

RADIO RECEIVER
Type: superheterodyne
Operating Frequency: 315 MHz ±125Kc
Sensitivity: -100 dB minimum
Antenna Type: counterpoised bipolar design
Compatible RF Formats: Linear DX, DXS

CONTROL PANEL
Radio Zones: 24 supervised
Hardwire Loops: eight supervised
PAC Codes: eight total, including Duress, Installer, Paging, and five User
Operating Modes: Off, Chime, Home, Home Instant, Away, and Test
Sensor Types: 11 including Automation, Emergency, Panic, Fire, Perimeter, Exit/Entry, Interior, Chime Only, Arm/Disarm A, Arm/Disarm B, and Environmental
Auxiliary Outputs: Automation, External Console Speaker, and External Alarm Siren
Memory: EEPROM retains system programming during total power failure
Operating Temperature: 32 to 120°F (0 to 49°C)

COMMUNICATOR
Dialing: DTMF or pulse dialing
Reporting Formats: 4 x 2, 20 PPS, or Ademco Contact ID
Telephone Numbers: primary, secondary, and supervisory (paging); Reports: full zone reports, console reports, general system reports, forced arming, and duress PAC
Note: paging application uses the supervisory telephone number to access the pager
Auxiliary Power: 12 VDC@ 1 amp maximum for auxiliary devices

HARDWIRE KEYPAD
Indicators: 24 red zone condition indicators, plus power on, radio, battery, ready, armed, trouble, and five system operating mode indicators
Built-in Audible: Piezo device for alarm tone* keypad and status prompts
Keypad Wiring:
Standard Keypad Configuration: four wires standard for +, -, data in, data out

Optional Keypad Configuration:
When using optional VB-3 — six wires, including +, -, data in, data out, speaker +, speaker -
When using optional VB-2 — eight wires, including +, -, data in, data out, speaker +, speaker -, mic +, mic -
Note: microphone wire must be twisted shielded pair.
Operating Temperature: 32 to 120°F (0 to 49°C)

PHYSICAL
Control Panel
Dimensions: 11.5 in L x 4 in W x 12.5 in H (292 x 102 x 318 mm)
Weight: 4 lbs (1.81 kg)
Hardwire Keypad
Dimensions: 6.62 in W x 4.50 in H x 1.38 in D (168 x 114 x 35 mm)
Weight: 2 lbs (0.91 kg)

ACCESSORIES
VB-3: voice board with voice prompts and remote telephone access capabilities
Remote Telephone Access Modes: from remote touch-tone telephone and from local touch-tone telephone
Telephone Access Methods:
   From A Remote Telephone—dial, redial, enter PAC code plus #; console will report system mode, alarms, and trouble; user may change system mode of operation
   From A Local Phone—press # # #, enter PAC code plus #; console will report system mode, alarms, and trouble; user may change system mode of operation
Voice Prompt Vocabulary: 32 words, including key system words, modes, zone numbers, conditions (i.e., "System Armed, Away Mode")
VB-2: voice board with voice prompts and remote telephone access capabilities same as VB-3, plus 2-way voice
Two-Way Voice Modes: a total of three — listen only, two-way manual, and full duplex
Two-Way Voice Switching Modes: listen only — none; two-way manual — press 1 to talk; press 3 to listen, press 9 to disconnect
RSM-2: speaker/microphone kit that mounts inside DUAL 824KP; required when using the VB-2 or VB-3 options; includes high quality speaker, condenser, microphone, all hardware, and hook-up wire

Specifications subject to change without notice.

*Not to be considered as a substitute for an alarm sounder.

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