

Paradox Imperial Integrated System (V32)

Paradox Imperial (V32) is an integrated system offering security and access control solutions for installations requiring up to 384 zones, 32 partitions, 64 access doors and 999 users. All system functions, such as programming, monitoring and site management, are available through the BabyWare software. Simultaneously connect up to 32 PC users locally through the V32's built-in USB 2.0 port or remotely through its built-in Ethernet port or via Paradox GSM/GPRS module. The V32 communicates with up to 511 bus modules through one 4-wire encrypted 13.8Vdc communication bus at 500bps (switches to RS-485 at 57.6Kbps for firmware upgrade) and one independent RS-485 port for all 2-Door/4-Reader Access Control Modules (stand-alone operation). Its DIN-rail enclosure, removable terminals, and in-field upgradeability provide fast, secure, orderly and economic installations.

DIN Rail Metal Box Installation System

All the Imperial modules are enclosed in a standard DIN rail plastic. A DIN rail or top-hat rail is a standardized metal rail used for mounting units in equipment racks or metal boxes.



- Using a standard DIN Rail metal box for system module installation is fast, economical, orderly and saves space. Wiring is convenient and easy to run and connect.
- Paradox offers a 60cmX76cmX20cm DIN Rail metal box that can hold the Paradox Imperial panel and at least 10 modules including their backup batteries.
- All modules include an extensive LED display for module status and troubleshooting, and manual/local control for testing and emergency operation. All accessible even with the DIN metal box is closed.

Features common to all Imperial DIN Modules

- Compatible with Imperial and DigiPlex EVO
- Connects to Multibus: 4-wire encrypted 13.8Vdc communication bus at 500bps
- Firmware upgradeable via Multibus using RS-485 at 57.6Kbps
- All programming is done using BabyWare PC Software
- DIN rail enclosure with removable terminals for fast, secure, orderly and economic installations
- Supports 35mm DIN Rail mounting
- Includes labels to identify each zone, door or output



▲ PCS100 | GPRS/GSM Communicator Module

Feature	GPRS Edition	GSM Edition
GPRS reporting (requires Paradox IPR512 receiver)	✓	-
GSM reporting	-	✓
GPRS upload/download with BabyWare (38.8Kbit/s)	✓	✓
GPRS remote firmware upgrade (PCS100 & V32)	✓	-
Serial local firmware upgrade (PCS100)	✓	✓
SMS text message reporting (system notification)	✓	✓
SMS text message arming/disarming	-	✓
GSM RF jamming detection	✓	✓
V32 controller supervision	✓	✓
Simple 4-wire serial connection	✓	✓
Supports CVT485 (extend 300m/1000ft) from V32	-	✓
Supports Antenna Extensions	✓	✓

Keypads

Features common to all keypads

- Compatible with Imperial and Digiplex EVO
- Connects to Multibus: 4-wire encrypted 13.8Vdc communication bus at 500bps
- Firmware upgradeable via Multibus using RS-485 at 57.6Kbps
- All programming is done using BabyWare PC Software
- Zone alarm display: the zones in alarm are shown until the system is disarmed
- Independently set chime zones
- 3 keypad-activated panic alarms



▲ K07 | Grafica Graphic LCD Keypad

- See features common to all keypads
- Display the status of 32 partitions and 384 zones
- View zones on up to 32 floor plans
- 1 built-in indoor temperature sensor
- 1 zone/temperature input. Connect a detection device or TEMP07
- Simple text-driven menus with step-by-step guidance
- Alarm clock and special reminders
- Up to 15 tunes for use with door chiming, entry delay, exit delay and more
- Adjustable backlight, contrast and volume
- Available in two designer colors (silver or champagne)
- Dimensions: 11.5cm x 17cm x 3cm (4.5in x 6.8in x 1.3in)
- 6.5cm x 6.5cm (2.6in x 2.6in) graphic LCD (128 x 128 pixels)



▲ K651 | 32-Character LCD Keypad

- See features common to all keypads
- Display the status of up to 4 partitions and 384 zones
- 32-character blue LCD with programmable labels
- 1 zone input
- 14 one-touch action buttons
- Adjustable backlight, contrast and scroll speed



▲ ACM24D | 2 Door, 4 Reader Access Control Module

- See features common to all Imperial DIN modules on page 2
- Stand-alone operation via V32's independent 4-wire RS485 Access port (1000m/ 3000ft); all data is transferred to the ACM24D to ensure it continues to operate normally even if communication with the control panel is lost
- SAS mode (one man trap, two-door access) with optional anti-passback
- Simple 4-wire connections between readers, module and controller
- One reader port supports up to four R910 and/or R915 4-wire card readers (up to 500mA)
- 4 inputs for 2 REX devices and 2 door contacts
- 2 lock outputs (6-12Vdc at 1A each)
- Lock output power jumper (select internal or external power supply)
- 2 external negative triggers: connect a PGM or push-button to unlock the door
- 2 buttons to manually lock/unlock doors (illuminates to show status)
- 2.85A switching power supply
- Transformer sharing: modules can share a central AC supply (16 to 24Vac)
- Fully supervised (AC, battery, low battery and auxiliary limit)
- Selectable battery charge current (350mA/850mA)



▲ R910 | 4 Wire Epoxy-Sealed Proximity Reader

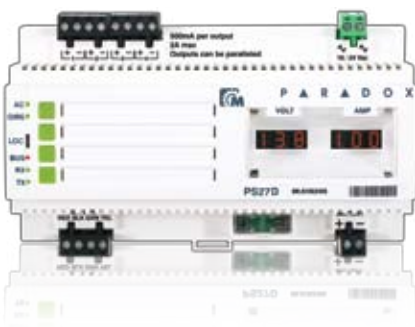
- Only 4 wires instead of 7 to connect with ACM24D
- In-field firmware upgradeable via CV4USB
- Adjustable red/green LED intensity and buzzer frequency
- Extreme weather-resistant design (epoxy-sealed)
- Tricolor LED display



▲ R915 | 4 Wire Sealed Proximity Reader and Keypad

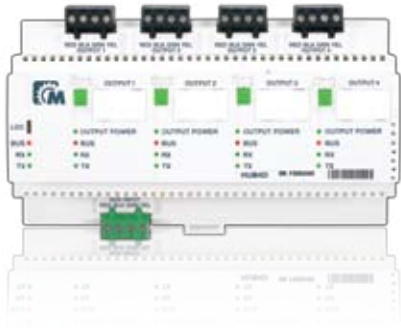
- Only 4 wires instead of 7 to connect with ACM24D
- In-field firmware upgradeable via CV4USB
- Adjustable red/green LED intensity and buzzer frequency
- Extreme weather-resistant design (injected rubber gasket and PCB cover)
- Tricolor LED display
- Available in 3 colors (white, silver and black)

Special Accessories Modules



▲ PS27D | 4 Output, 2.85A Power Supply Module

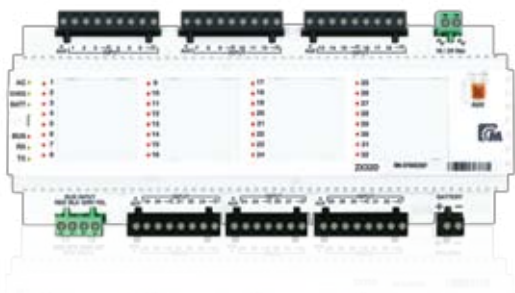
- See features common to all Imperial DIN modules on page 2
- 2.85A switching power supply
- Transformer sharing: modules can share a central AC supply (16 to 24Vac)
- 4 auxiliary outputs providing at up to 500mA each
- Auxiliary outputs can be used in parallel to increase output current
- View voltage (3 digits) and amperage (3 digits) via 7-segment display.
- View individual outputs, sum of paralleled outputs or sum of all outputs.
- 4 buttons to manually activate/deactivate outputs (illuminates to show status)
- Auxiliary outputs can be used as PGMs
- Fully supervised (AC, battery, low battery and auxiliary limit)
- Selectable battery charge current (350mA/850mA)



▲ HUB4D | 4-Port Hub and Bus Isolator Module

- See features common to all Imperial DIN modules on page 2
- Divides the bus into four completely isolated outputs (if one output fails, the others will continue to function)
- One input port, 4 completely isolated output ports
- Each output port provides communications up to 900m (3000ft)
- Opto-isolated ports provide protection from high-voltage spikes (ideal for exterior lines)
- On-board buttons to manually activate or deactivate each hub output
- 4-LED status display per hub output
- 3-LED module status display

Zone Expansion Modules



▲ ZX32D | 32 Zone Expansion Module

- See features common to all Imperial DIN modules on page 2
- 32 zone inputs
- 32-LED zone status display
- Built-in 2.85A switching power supply
- Transformer sharing: modules can share a central AC supply (16 to 24Vac)
- Auxiliary outputs (up to 700mA)
- Button to manually activate/deactivate auxiliary output (illuminates to show status)
- Fully supervised (AC, battery, low battery and auxiliary limit)
- Selectable battery charge current (350mA/850mA)



▲ ZX16D | 16 Zone Expansion Module

- See features common to all Imperial DIN modules on page 2
- 16 zone inputs
- 16-LED zone status display

▲ ZX8D | 8 Zone Expansion Module

- See features common to all Imperial DIN modules on page 2
- 8 zone inputs
- 8-LED zone status display

▲ RTX3 | Wireless Expansion Module

- Compatible with Imperial and Digiplex EVO
- Connects to Multibus: 4-wire encrypted 13.8Vdc communication bus at 500bps
- Firmware upgradeable via Multibus using RS-485 at 57.6Kbps
- All programming is done using BabyWare PC Software
- 32 addressable zones
- 999 remote controls
- 8 wireless PGMs (2WPGM)
- Functions with all Magellan wireless devices (PIRs, door contacts, smoke detectors, remote controls and 2-way PGM)
- Built-in transceiver (433MHz or 868MHz)
- Low battery, tamper and check-in supervision
- Transmitter signal strength display
- 3 PGM outputs and 1 optional output
- Noise level test and indicator

Features common to all bus PIRs

- Compatible with Imperial and Digiplex EVO
- Connects to Multibus: 4-wire encrypted 13.8Vdc communication bus at 500bps
- All programming is done using BabyWare PC Software
- Patented Digital Motion Detection (no analog circuitry)
- Patented Auto Pulse Signal Processing
- Digital Shield algorithm software
- Single or dual edge processing
- Automatic temperature compensation
- Metal shield maximizes protection from EMI and RFI signals



DM50/DM60 | Digital Dual/Quad Element Bus PIR

- See Features common to all bus PIRs
- Dual element sensor (DM50) / Quad element sensor (DM60)
- Digital Dual Opposed Detection (DM60)
- ISG Interlock Sensor Geometry (DM60)
- 12m x 12m (40ft x 40ft) range with 110° viewing angle



DM70 | Digital Dual-Optic Pet-Immune Bus PIR

- See Features common to all bus PIRs
- Dual optics (2 dual opposed element sensors)
- Provides superior pet immunity 40kg (90lb) using a patented combination of advanced optics and digital processing technologies
- 11m x 11m (35ft x 35ft) range with 90° viewing angle



DG85 | Outdoor Digital Dual-Optic Bus PIR

- Same as DM70 plus:
- Impact and temperature resistant casing
- Operates at -35°C to +50°C (-31°F to +122°F)
- Casing lined with an injected rubber gasket
- UV protected lens
- Dual Optical Filtering System
- Multi-level sensitivity adjustment
- Two operational modes (bus mode for Imperial/Digiplex EVO or conventional relay operation)

