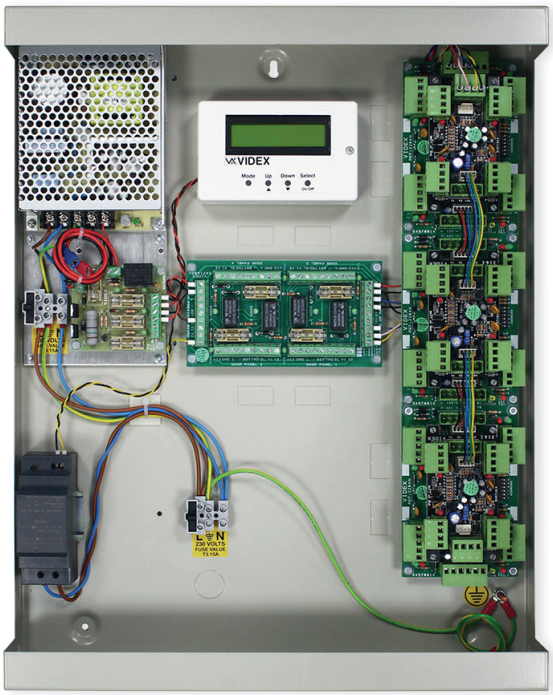
2291V SERIES CABINETS

VX2200

2291V Series video control cabinets for the VX2200 digital system

2291V12 CABINET



The 2291V series video cabinets have been designed to house the main control equipment commonly used in VX2200 video systems.

The cabinets serve as a central point where the common databus, video and power supply connections cable back to for an installation.

The cabinet components are made up of the following control equipment: 13.8Vdc (3.5A or 5A) PSU with battery backup facility, 18Vdc video PSU, a 1 or 4 door switching card, optional 4 way isolation cards, optional bus/ block exchange device and optional timeclock.

Secure cabinet
Steel lockable powder coated cabinet.

12Vdc PSU (3.5A or 5A)
Cabinets fitted with either a 13.8Vdc, 3.5A or a 13.8Vdc, 5A PSU.

Battery backup
Battery backup facility as a standard feature of the fitted 13.8Vdc PSUs.

18Vdc PSU (2A)
Cabinets fitted with an 18Vdc, 2A video PSU.

Single or multiple door entry switching
Cabinets fitted with either a 1 door (**VX123-1**) or a 4 door (**VX123-V**) switching card.

Databus isolation
Databus isolation cards (**2204N**) available for the 4 way, 8 way or 12 way isolation cabinets.

4 way video distribution
Non-coax (balanced) 4 way video signal distribution cards (**316I**) available with the 4 way, 8 way or 12 way isolation cabinets.

Bus exchange device
Cabinets can be fitted with a bus/ block exchange device (**2206N**).

BST/GMT timeclock
Cabinets can be fitted with or without a **701T** digital timeclock.

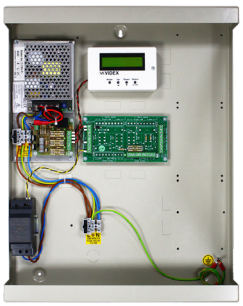
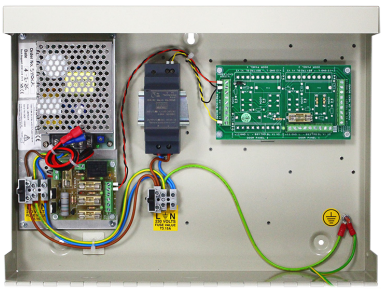
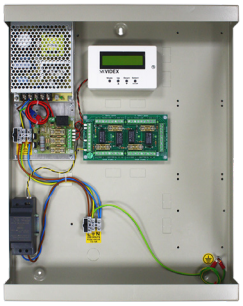
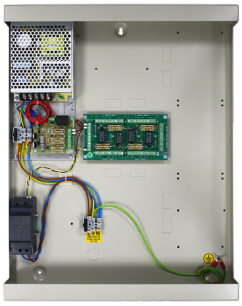
CONTROL CABINET

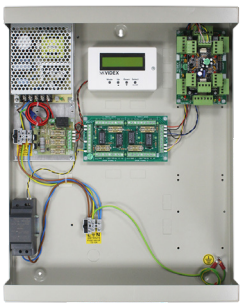
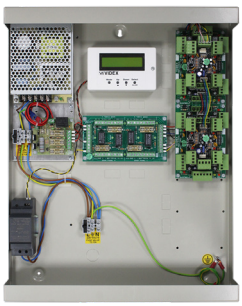
DC POWER

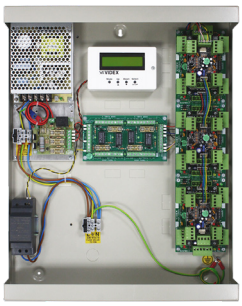
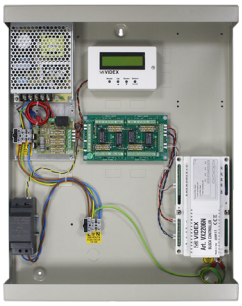
BATTERY BACKUP

VIDEX®

2291V Series Cabinets

	**2291V-1D** 	**2291V-1D/NTC** 
Description	VX2200 video 1 door control cabinet including timeclock.	VX2200 video 1 door control cabinet without timeclock.
Cabinet enclosure and dimensions (mm)	Steel lockable powder coated CAB1, (pre-wired inc. keys). Dimensions: 360 (W) x 455 (H) x 75 (D).	Steel lockable powder coated CAB2, (pre-wired inc. keys). Dimensions: 360 (W) x 265 (H) x 75 (D).
Cabinet components:		
- PSUs	1x **UBPSU3.5**, 13.8Vdc 3.5A power supply: 3x 13.8Vdc fused outputs (fitted with 1x 1A and 2x 1.25A fuses respectively). Includes battery backup facility. 1x **HDR-30-15**, 15-18Vdc 2A video power supply.	
- Switching card	1x **VX123-1**, 1 door audio switching card (1x fused 1A door input, 1x input and 1x output common through connections).	
- Timeclock	1x **701T** (BST/GMT) digital timeclock.	n/a.
Mains input	Cabinet requires 230-240Vac (50/60Hz) mains input voltage.	
Mounting	Surface mount cabinets.	
Accessories	**NP7-12**, 12Vdc 7aH backup battery (not included).	
Function and operation	1 door video control cabinet for use on VX2200 video systems. Used as a central junction point and to switch through common databus and video signal connections.	
	**2291V** 	**2291V/NTC** 
Description	VX2200 audio 4 door control cabinet including timeclock.	VX2200 audio 4 door control cabinet without timeclock.
Cabinet enclosure and dimensions (mm)	Steel lockable powder coated CAB1 (pre-wired inc. keys). Dimensions: 360 (W) x 455 (H) x 75 (D).	
Cabinet components:		
- PSU	1x **UBPSU5.0**, 13.8Vdc 5A power supply: 3x 13.8Vdc fused outputs (fitted with 1x 3.15A and 2x 1A fuses respectively). Includes battery backup facility. 1x **HDR-30-15**, 15-18Vdc 2A video power supply.	
- Switching card	1x **VX123-V**, 4 door video switching card (4x fused 1A door inputs, 1x input and 1x output common through connections).	
- Timeclock	1x **701T** (BST/GMT) digital timeclock.	n/a.
Mains input	Cabinet requires 230-240Vac (50/60Hz) mains input voltage.	
Mounting	Surface mount cabinets.	
Accessories	**NP7-12**, 12Vdc 7aH backup battery (not included).	
Function and operation	4 door video control cabinet for use on VX2200 video systems. Used as a central junction point and to switch through common databus and video signal connections.	

	**2291V4** 	**2291V8** 
Description	VX2200 video 4 door control cabinet including timeclock and 4 way isolation.	VX2200 video 4 door control cabinet including timeclock and 8 way isolation.
Cabinet enclosure and dimensions (mm)	Steel lockable powder coated CAB1 (pre-wired inc. keys). Dimensions: 360 (W) x 455 (H) x 75 (D).	
Cabinet components:		
- PSU	1x **UBPSU5.0**, 13.8Vdc 5A power supply: 3x 13.8Vdc fused outputs (fitted with 1x 3.15A and 2x 1A fuses respectively). Includes battery backup facility. 1x **HDR-30-15**, 15-18Vdc 2A video power supply.	
- Switching card	1x **VX123-V**, 4 door video switching card (4x fused 1A door inputs, 1x input and 1x output common through connections).	
- Timeclock	1x **701T** (BST/GMT) digital timeclock.	
- Isolation card(s)	1x **2204N** and 1x **316I**, 4 way isolation.	2x **2204N** and 2x **316I**, 4 way isolation.
Mains input	Cabinet requires 230-240Vac (50/60Hz) mains input voltage.	
Mounting	Surface mount cabinet.	
Accessories	**NP7-12**, 12Vdc 7aH backup battery (not included).	
Function and operation	4 door video control cabinet for use on VX2200 video systems. Used as a central junction point and to switch through common databus and video signal connections.	

	**2291V12** 	**2291V-2206N** 
Description	VX2200 video 4 door control cabinet including timeclock and 4 way isolation.	VX2200 video 4 door control cabinet inc. timeclock and bus/block exchange device.
Cabinet enclosure and dimensions (mm)	Steel lockable powder coated CAB1 (pre-wired inc. keys). Dimensions: 360 (W) x 455 (H) x 75 (D).	
Cabinet components:		
- PSU	1x **UBPSU5.0**, 13.8Vdc 5A power supply: 3x 13.8Vdc fused outputs (fitted with 1x 3.15A and 2x 1A fuses respectively). Includes battery backup facility. 1x **HDR-30-15**, 15-18Vdc 2A video power supply.	
- Switching card	1x **VX123-V**, 4 door video switching card (4x fused 1A door inputs, 1x input and 1x output common through connections).	
- Timeclock	1x **701T** (BST/GMT) digital timeclock.	
- Isolation card(s)	3x **2204N** and 3x **316I**, 12 way isolation.	n/a.
- Bus exchanger	n/a.	1x **2206N**, bus/block exchange module.
Mains input	Cabinet requires 230-240Vac (50/60Hz) mains input voltage.	
Mounting	Surface mount cabinet.	
Accessories	**NP7-12**, 12Vdc 7aH backup battery (not included).	
Function and operation	4 door video control cabinet for use on VX2200 video systems. Used as a central junction point and to switch through common databus and video signal connections.	

12Vdc power supplies and battery backup facility

The 2291V series cabinets include an **UBPSU3.5** (13.8Vdc, 3.5A) PSU for the 1 door cabinets and an **UBPSU5.0** (13.8Vdc, 5A) PSU for the 4 door cabinets.

Each power supply has 3x 13.8Vdc fused outputs (1x 1A, 2x 1.25A for the **UBPSU3.5** and 1x 3.15A, 2x 1A for the **UBPSU5.0**) allowing for the load of the PSU to be spread across several 13.8Vdc devices.

The power supplies also includes battery backup inputs that can easily be connected to an **NP7-12** (12Vdc, 7aH) battery (not included with the cabinet).

UBPSU3.5



UBPSU5.0



18Vdc video power supply

All 2291V series video cabinets include a 18Vdc (2A) power supply, **HDR-30-15**, to provide the necessary voltage for the video devices in an apartment.

It is a class II isolated (double insulated) power supply that is designed for mounting onto a standard UK DIN rail.

It also features a power LED to indicate when the supply is ON and also includes a voltage adjustment POT (with adjustable range between 15Vdc - 18Vdc).

HDR-30-15



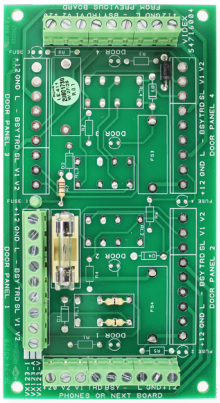
1 door or 4 door switching card

The 2291V series cabinets include a **VX123-1** switching card for the 1 door cabinets and a **VX123-V** switching card for the 4 door cabinets.

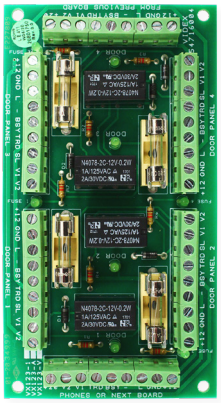
The switching cards serves as a central junction point for the common databus and video signal connections between other switching cards on the system and the databus and video signal connections from an apartment.

They are also responsible for switching the common databus and video signal connections from the door entry panel through to the video devices in an apartment.

VX123-1



VX123-V



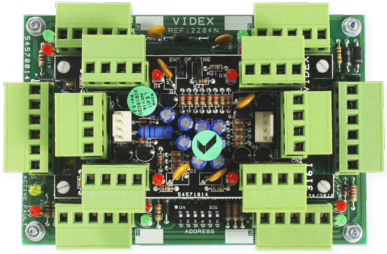
Databus and video isolation

The **2291V4**, **2291V8** and **2291V12** cabinets include **2204N** isolation cards coupled with **316I** non-coax video distribution cards for the main databus and video signal connections to the video devices in an apartment.

The **2204N** isolation cards and **316I** non-coax video distribution cards protects against shorts or faults in and to the apartments.

Plug-in connectors are used for easy installation and maintenance.

2204N + 316I

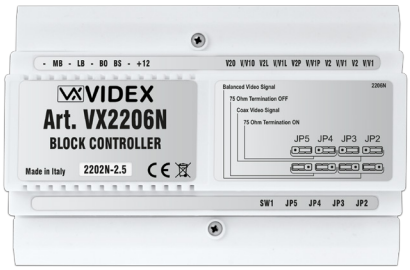


Bus/block exchange module

The **2291V-2206N** cabinet includes a **2206N** bus/block exchanger. It is used on an installation where there is a main entrance and several secondary (block/local) entrances. It enables the main entrance to call all apartments on the system and only allows the block/local entrance to call apartments in it's own block.

The bus/block exchanger also allows for the installation to be expanded from the standard number of 180 users/ apartments up to 998 users/apartments.

2206N



Digital BST/GMT timeclock

The 2291V series cabinets also include a **701T** digital timeclock (with the exception of the **2291V-1D/NTC** and **2291V/NTC** cabinets) which can be used to setup timings for a trade facility on the door entry panel.

It has 6 fully programmable timebands that can be set for a single day of the week, weekends, selected week days or all days. It also has a built-in battery backup feature, a manual override feature and automatic British summer time correction (BST/GMT).

701T



Part Codes and Replacement Parts

	Part No.	Description
CABINETS	**2291V-1D**	1 Door, video cabinet (inc. **UBPSU3.5** & **HDR-30-15** PSUs, **VX123-1**, **701T** timeclock).
	2291V-1D/NTC	1 Door, video cabinet (inc. **UBPSU3.5** & **HDR-30-15** PSUs, **VX123-1**, no timeclock).
	2291V	4 Door, video cabinet (inc. **UBPSU5.0** & **HDR-30-15** PSUs, **VX123-V**, **701T** timeclock).
	2291V/NTC	4 Door, video cabinet (inc. **UBPSU5.0** & **HDR-30-15** PSUs, **VX123-V**, no timeclock).
	2291V4	4 Door, video cabinet (inc. **UBPSU5.0** & **HDR-30-15** PSUs, **VX123-V**, **701T** timeclock, 1x **2204N** isolation card + 1x **316I** non-coax video distribution/isolation card).
	2291V8	4 Door, video cabinet (inc. **UBPSU5.0** & **HDR-30-15** PSUs, **VX123-V**, **701T** timeclock, 2x **2204N** isolation cards + 2x **316I** non-coax video distribution/isolation cards).
	2291V12	4 Door, video cabinet (inc. **UBPSU5.0** & **HDR-30-15** PSUs, **VX123-V**, **701T** timeclock, 3x **2204N** isolation cards + 3x **316I** non-coax video distribution/isolation cards).
	2291V-2206N	4 Door, video cabinet (inc. **UBPSU5.0** & **HDR-30-15** PSUs, **VX123-V**, **701T** timeclock, 1x **2206N** bus/block exchange device).
REPLACEMENTS	**UBPSU3.5**	Unboxed 13.8Vdc/3.5A power supply with battery backup facility.
	UBPSU5.0	Unboxed 13.8Vdc/5A power supply with battery backup facility.
	HDR-30-15	15-18Vdc, 2A video power supply.
	VX123-1	1 Door audio/video switching card for the VX2200 system.
	VX123-V	4 Door video switching card for the VX2200 system.
	701T	Digital BST/GMT timeclock.
	2204N	4 way audio isolation card for the VX2200 system.
	316I	4 way non-coax, balanced video distribution/isolation card for the VX2200 system.
	2206N	Audio/video, bus/block exchange module for the VX2200 system.

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