

## VX123-A / VX123-V AUDIO AND VIDEO 4 DOOR SWITCHING CARDS

Audio cabinets will include a VX123-A 4 door audio switching card and video cabinets will include the VX123-V 4 door video switching card.

Each switching card requires 12Vdc power and will be pre-wired from one of the 12Vdc outputs on the UBPSU5.0 psu. It has four fused (*fitted with a 1A, 20mm 'quick blow' fuse*) door input/output terminals that includes a status LED to indicate when there is a fault with the input/output (*when the LED is ON this indicates the input is ok, when the LED is OFF this indicates the fuse is damaged or blown*). Each set of door input/output terminals include connections for the following:

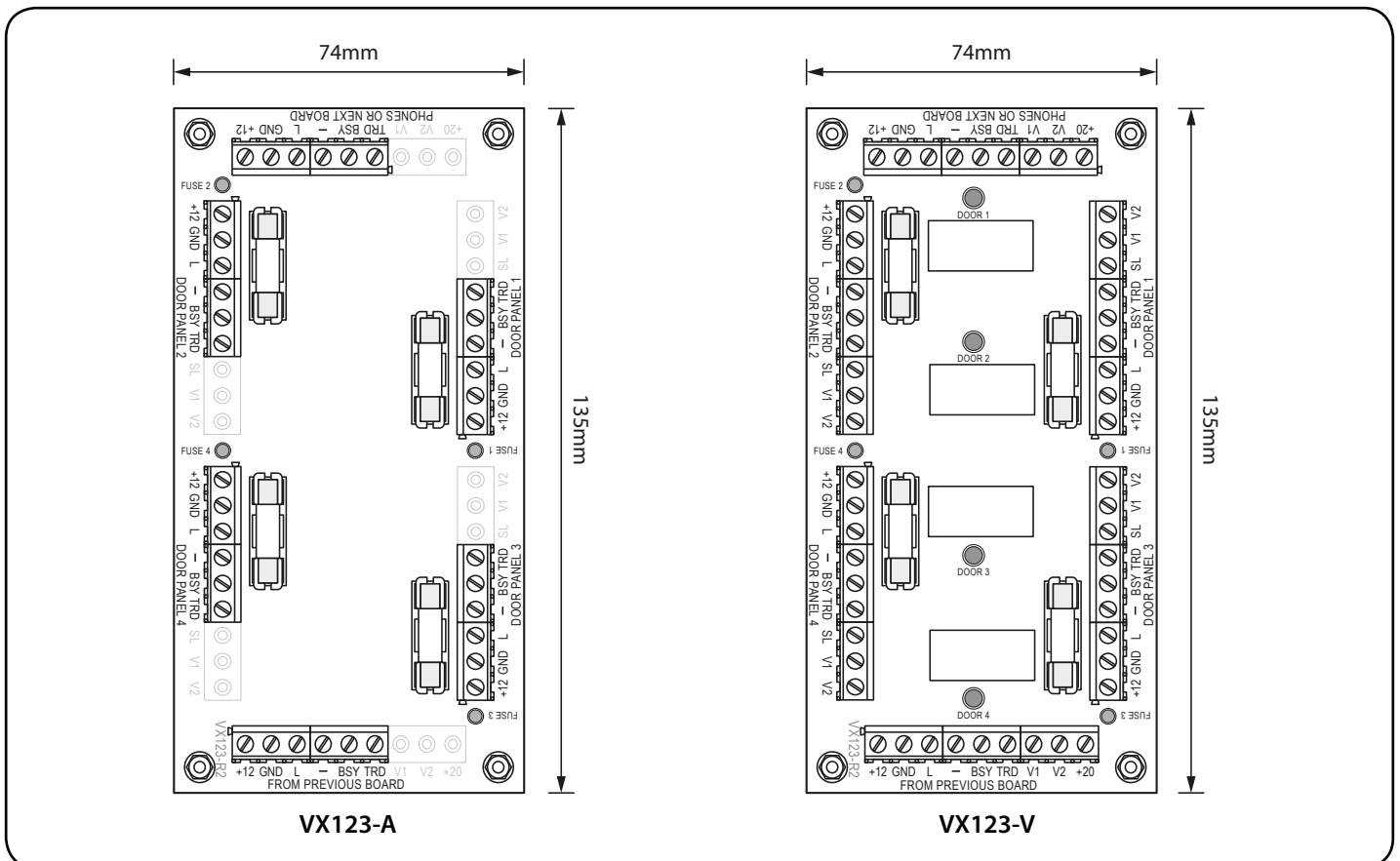
- 12Vdc/GND power output to power each door panel (*fused connection on 12Vdc terminal*).
- L/- databus connections from each door panel (*common 'through' connection*).
- Busy connection from each door panel (*common 'through' connection*).
- Trade output to each door panel (*common 'through' connection*).

and for the VX123-V video switching card three additional terminal connections:

- SL switching signal from the door panel to switch the V1/V2 balanced video signal through the corresponding door input/output position on the switching card.
- V1/V2 balanced video input signal connection from door panels camera module (*switched connections*).

Also included are common output connections to connect the card to audiophones/videophones or allow the card to be connected in series with another switching card should the system comprise of more than 4 doors (*for video systems using the VX123-V three additional 'through' connections are included: V1, V2 and +20V*).

### VX123-A / VX123-V Dimensions



## Terminal Connections

Switching Card 'through' Connections		
Terminal	Function	
+12	12Vdc power input/output connection	
GND	GND power input/output connection	
L	BUS line data input/output	
-	BUS line ground input/output	
BSY	Busy signal connection	
TRD	Trade signal input/output from Art.701T BST/GMT time clock	
V1	Balanced video signal sync+	VR123-V video switching card only
V2	Balanced video signal sync-	
+20V	20Vdc power input/output for videophones	
Switching Card Door Connections (1 - 4)		
Terminal	Function	
+12	12Vdc power output connection to door panel	
GND	GND power output connection to door panel	
L	BUS line data input from door panel	
-	BUS line ground input from door panel	
BSY	Busy signal input from door panel	
TRD	Trade signal output to door panel	
SL	Switched low input from door panel	VR123-V video switching card only
V1	Balanced video signal input sync+	
V2	Balanced video signal input sync-	

## Technical Specifications

Input Voltage : 12Vdc, +5% -10%

### VX123-A

Current (*standby*) : 80mA (*max.*)  
 Current (*during call*) : 150mA (*max.*)  
 Current (*speech live*) : 240mA (*max.*)  
 Current (*during lock release*) : 280mA (*max.*)

### VX123-V

Current (*standby*) : 80mA (*max.*)  
 Current (*during call*) : 330mA (*max.*)  
 Current (*speech live*) : 420mA (*max.*)  
 Current (*during lock release*) : 450mA (*max.*)  
 Switching Card Dimensions : 135mm (L) x 75mm (W)  
 Working Temp. : -10°C +50°C

**(PLEASE NOTE:** the current ratings shown above correspond with the 12Vdc input power. The 20Vdc power connections for the VX123-V are 'through' connections only).