



### 3.5.2 XLR Channels (PT 8618 Option)

**Connectors:**

Signal input : Sub-D 9 pin, female

Signal output : XLR 3 pin, male

**Insertion loss:**

< 0.4 dB, 0.1 to 20 MHz

**On resistance:**

< 0.2  $\Omega$

**Cross-talk:**

< -50 dB, 0.1 to 8 MHz

### 3.5.3 Remote Interface

Specification for relay contacts for external alarm function.

**Connector:**

9 pin male sub-D

**Voltage between contacts:**

< 50 V

**Relay current:**

< 0.5 A

**Switching power:**

< 60 W

**Common mode voltage:**

< 50 V

**Other contacts in remote connector:**

Internal pull up resistors, max. external voltage  
-0.5 V to + 6 V.

## 3.6 Environmental Conditions

### 3.6.1 Regulations and Standards, EMI

EN 50081-1/1994 (emissions)

EN 50082-1/1992 (immunity)

FCC Rules & Regulations, Part 15, Subpart J,  
Level B (emissions)

### 3.6.2 Climatic Conditions

**Temperature Range:**
Storage:

20 to +70°C

Operating ambient:

+5 to +45°C

Humidity:

Non-condensing (IEC 721)

### 3.6.3 Mechanical Requirements

**Vibration, according to IEC 68-2-64 test Fh**

10 - 20 Hz, 0.05 g<sup>2</sup>/Hz, decreasing 20 - 150 Hz

-3 dB/oct, 1h in each of three directions, 1.6gRMS.

**Bump, according to IEC 68-2-29 test Eb**

1000 bumps/direction, 3 directions, 6 ms/bump,  
25g.

### 3.6.4 Safety

IEC1010-1

### 3.6.5 Power Supply

**Voltage:**

85 - 132 V AC, 180 - 250 V AC

**Frequency:**

48 - 62 Hz

**Power consumption:**

< 15 VA with all options

### 3.6.6 Mechanical Data

19" rack mount cabinet.

Height : 44 mm (1.73")

Width : 483 mm (19")

Depth : 490 mm (19.3")

Weight : 4 kg (8.8 lbs)

to activate an external alarm in the event of a failure - even in the case of power failure in the changeover system.

## 2.3 Configuration

The basic PT 5211 VariTime™ Changeover includes four identical 75Ω channels with BNC connectors.

The two options, the PT 8617 and PT 8618, are used to add more channels to the changeover unit.

The PT 8617 BNC option adds two additional channels. The function and quality of these extra BNC channels are equal to that of the basic channels.

The PT 8618 XLR option adds two balanced channels with XLR connectors. The PT 8618 is used for switching balanced AES/EBU digital audio and balanced LTC signals.

Up to four PT 8617 options or two PT 8617 options plus one PT 8618 can be used at the same time. This gives a maximum of either 12 BNC channels or of eight BNC channels plus two XLR channels.