

## ***1226 Auto Switch / Distribution with Remote Monitor/Control Interface***

- **Up to 36 output channels**
- **RF, Digital, and time code options available**
- **Unique *ANALOG LEVEL Monitoring* on RF Channels**
- **Broadband RF, Digital and Modulate Time Code**
- **Front Panel Status Indication**
- **Up to three separate auto switched inputs**
- **Remote Monitor /Control (Ethernet – Telnet, SNMP, Web Browser/RS 232)**
- **NTP Client included for automatic event time-stamping**

To complement the range of high quality frequency and timing references, **Precise Time and Frequency, Inc.** has now introduced a new version of the ptf 1226A Auto Switch that includes an additional switch channel (now 3 channels total) of RF, and/or Digital, and/or Time Code, Auto Switching, and a full Ethernet/RS232 remote monitoring/control interface.

In addition to the auto switching capability, the new **ptf 1226** delivers up to thirty six channels of RF, Digital or Time Code frequency and/or timing references to critical applications such as Satellite Communications, Broadcasting, WiMax and others.

Analog channels include a unique ***output level monitoring*** feature to provide remote indication of rms voltage output level.

The unit can accept up to three pairs of inputs (usually from separate primary and backup sources), and provides monitoring of both the inputs and outputs for signal integrity. In addition RF channels include analog level monitoring. If the primary input on any auto switch channel fails, the unit will automatically switch to the backup input and indicate a primary signal fault.

Full remote monitoring and control via RS232 and Ethernet interfaces includes telnet, http (web browser), and SNMP protocols.

***ptf 1226*** Front View



## Specifications

### Inputs

#### RF

Frequency 1MHz to 30MHz  
Amplitude 13dBm into 50 ohms  
(1V rms into 50 ohms)

#### Digital

Frequency 0.01 PPS to 20 MPPS  
Amplitude 5V TTL into 50 ohms  
(nominal)

optional:

RS 422 (DI42) Differential TTL i/p's  
(Tri-Axial Connectors)

#### Time Code

Modulation Freq. 100Hz to 1MHz  
Amplitude 3V pk-pk  
Modulation Ratio 3 : 1

### Outputs

#### RF

Frequency 1MHz to 30MHz  
Amplitude 13dBm into 50 ohms  
(1V rms into 50 ohms)

#### Digital

Frequency 0.01 PPS to 20 MPPS  
Amplitude 5V TTL into 50 ohms  
(nominal)

optional:

RS 422 (DO42) Differential TTL o/p's  
(standard 'D' connector)  
Tri-Axial Connectors  
for RS 422

#### Time Code

Modulation Freq. 100Hz to 1MHz  
Amplitude 3V pk-pk  
Modulation Ratio 3 : 1

### Switching Characteristics

Switch Type Latching Relay  
Switching time <3ms typical

### Indicators/Controls

Power/Sum. Fault Green/Orange LED  
Channel Ok/Fault Green/Red LED  
Manual Selected Red LED

### Controls

Auto/Manual Membrane switch  
Channel Select Membrane switch

### Power Supply

Input voltage 90 - 264 VAC  
Input power <10W

### Environmental

Temperature: 0° to 55° C  
Relative Humidity: 0 to 95%, non-  
condensing

### Physical

Dimensions (HxWxD): 2U x 19" x 16"  
Weight <15 lbs



Rear Panel View