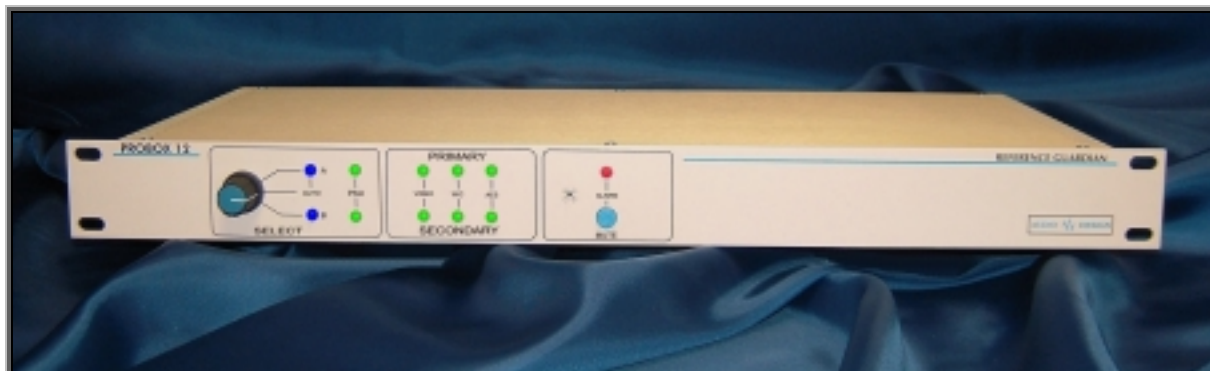


REFERENCE GUARDIAN

MASTER SYNC & CLOCK AUTO - SWITCH

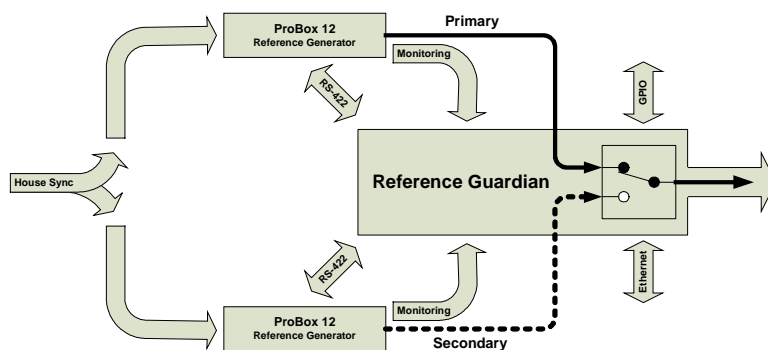


What does it do?

Adds a high level of reliability and resilience to any broadcast or studio facility that requires a continuous, phase coherent house sync and master clock function 24/7.

Working in conjunction with two Probox 12 Reference Generators, the Reference Guardian allows the operation of a Primary and Secondary house sync and master clock system to be employed. The Guardian will automatically detect any changes in the output synchronisation integrity of the Primary unit. If any changes occur as set by the operating parameters, the Guardian will switch from the Primary to the Secondary unit without phase timing disturbance to the Reference Signals.

Full monitoring over an IP network is achieved by use of an embedded web server or by using the supplied desktop software the user is able to set up and monitor the exact states of the Primary and Secondary units.



- Select switch – Force to Primary, force to Secondary or Auto detect
- LED status for AES, Word Clock, Video & Power supplies
- Alarm & mute switch – sounds when outputs are switched
- Relayed I/O connections for master AES, Word Clock & Video for maximum reliability
- Additional active distribution for AES, Word Clock & Video
- GPI 25way D type connector – allows full remote control of all front panel functions
- Network RJ45 connector – allows full set-up and monitoring of Primary & Secondary units.

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SPECIFICATION

PROBOX 12 - REFERENCE GUARDIAN

OPERATION: Select A – Forces a permanent Primary connection
Select B – Forces a permanent Secondary connection
Auto – Defaults to Primary connection, with auto switch over to Secondary connection if Primary operating conditions fall below set parameters.

RS422: Receives Front panel and power supply status information from Primary and Secondary Probox 12 Units

GPI: All front panel functions and led/alarm status controllable via closing contacts

NETWORK: Full operation control and status monitoring via network management software, with data & link leds

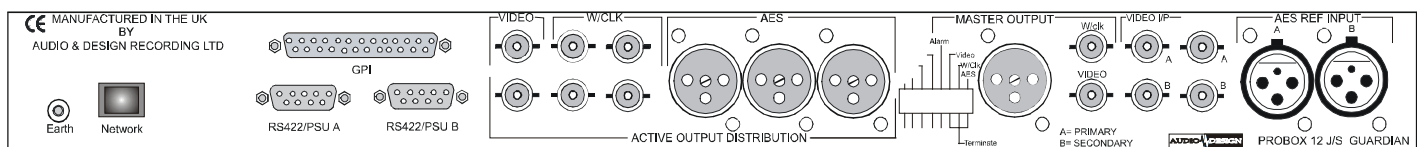
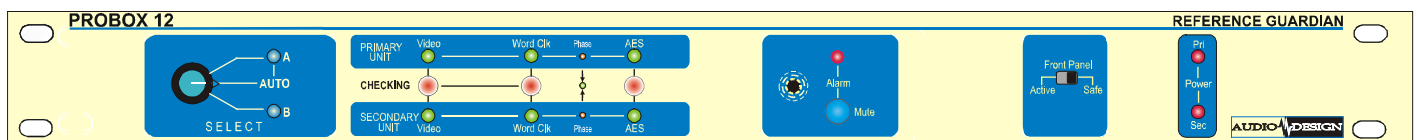
INPUTS: Primary & Secondary inputs for AES, Word Clock & Video

OUTPUTS: Master Output via normally closed non active relay for AES, Word Clock, & Video
Active Distribution outputs; 3x AES, 4x Word Clock, 2x Video

POWER: 2 External 12v supplies via Primary and Secondary Probox 12.

SIZE: 482.60mm (19") wide x 44.45mm (1U) high x 229mm deep

WEIGHT: 1.0Kg



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