

PS-2005 PRIORITY SWITCH

GENERAL DESCRIPTION :

There are 4 device ports:

- LINE IN - connects to phone line
- AUX - this jack is connected in parallel with the LINE IN jack
- TEL/KSU - connects to phone system
- PRIORITY - any device which goes off hook will seize the phone line away from any device connected to the TEL/KSU jack.



In the idle state, the internal telephone line power supply will be connected to the PRIORITY port & the TEL/KSU port will be connected to the LINE IN jack.

When the PRIORITY device goes off hook, the PS-2005 unit will first disconnect all devices from the phone line completely for a short period. Then the unit will connect only the PRIORITY device to the LINE IN. This connection will remain in place until the PRIORITY device returns to the on hook state for a definite period of time. During this time, the TEL/KSU device will remain connected to the internal telephone line power supply.

When AC power is removed from the unit, both the Priority device & the KSU device will be connected to the phone line.

STANDARD FEATURES :

- Internal telephone line power supply closely simulates actual telephone line characteristics.
- Microprocessor controlled for increased reliability & flexibility.
- "Brown out" protection circuitry and "Watch Dog" timer for eliminating any possibility of false operation during AC power input fluctuations.
- LED indicator provides operational state information:
 - idle state - short blinks every second
 - PRIORITY device active - rapidly pulsing on / off
 - telephone line still connected to PRIORITY device but not active (on hook)
 - slow pulsing on / off

OPTIONAL FEATURES INCLUDED :

- Busy tone indication on TEL/KSU port when PRIORITY DEVICE has control of the phone line.
- Programmable line release time - 0.3 - 19.9 seconds in 0.2 second increments nominal
- Programmable revert to idle time - 2 to 198 seconds (version 10), 1second to 160 minutes (version 11) nominal.

ELECTRICAL INPUT:

- 117 VAC ($\pm 10\%$) adaptor input - 12 VAC nominal output to switch input
- 3 VA typical consumption

ENVIRONMENT:

- 5 to 50 °C 0 - 95% non condensing rel.humidity - standard
- 30 to +60 °C complete with conformal coating for extreme environments - optional

PHYSICAL:

- Dimensions - 12 x 7 x 3.3 cm. (4.7 x 2.8 x 1.3 in.) not including adaptor
- Shipping weight - 0.5Kg (1lb) nominal