Telephone Interface TSR60

- Allows any telephone sub-subscriber to address the site PAGA system

- Totally inhibits acoustic feedback

- Highest intelligibility of speech

The PSC VODEC TSR60 is a non-volatile message record/playback device designed to store and re-play telephone handset input high definition speech over a Vodec PA/GA (Public Address and General Alarm system) broadcast system. The unit obviates the detrimental effects of acoustic feedback due to the proximity of live telephone subscriber handsets to PA/GA loudspeakers. The TSR60 comprises of a 19 inch 1 U rack mount enclosure which carries integral LED status display and plug in/out flat ribbon cable connectors which facilitate rapid installation, service and connection to the host system.

Technical data

Supply	DC 48 V from host VX/AT-M switch
Consumption	5 W
PABX interface	2 wire analogue subscriber 4/2 wire E & M trunk
Frequency response	200 Hz up to 3 kHz
Dimensions (width x height x depth)	483 mm x 44.5 mm x 150 mm (19.02 inch x 1.75 inch x 6.30 inch) (19" rack mount)
Weight	0.5 kg (1.1 lbs)
Temperature range	0 °C to +50 °C (+32 °F to +122 °F)
Temperature range	-20 °C to +60 °C
Heat emission	3 W
Store time	120 sec.

Installed CCD memory device records up to 120 seconds of speech under control of VSOC (Vodec System On a Chip) which eliminates dependence on conventional microprocessor/controller sequentially executed code. The TSR60 accepts 2/4 wire E&M or 2 wire subscriber interface from the site telephone PABX. The TSR60 enables the user to determine both the priority level of the intended message broadcast and the target zone of address. Configuration selection within the unit allows default low priority routine broadcast to all zones except zone 1, however (zone 1 on PA/GA is normally reserved for those sites where routine broadcasts are inhibited to certain locations e.g. sleeping quarters) the TSR60 can be set to direct stored massages to all zones on a high priority emergency speech basis. This can be featured as a default or under control of the set by appending digits 00 to the telephone interface access number when prompted to do so. When the TSR60 is used in conjunction with ZTE4-20 the telephone user can direct the stored message to a menu of pre-selected zone(s) of address replay to a particular loudspeaker group.

The TSR60 is fitted with tamperproof configuration switches that allow the engineer to pre-select features including the following:

- "Message replay repeat" – message is broadcast one, two or three times

- 2 wire subscriber or 2/4 wire E&M PABX interface

- "Maximum store time limit" – limits record time to 8 seconds maximum to prevent recording of lengthy messages

- "DTMF record time sequence control" – enables the user to terminate message recording by telephone keypad entry

- Enable or disable a pre-announcement chime

- Select normal operation or live voice broadcast

The real time monitor facility enables a normally manned operator position to listen to messages being recorded into the TSR60 prior to PA/GA system broadcast. Undesirable messages can now be deleted by the operator before distribution to the PA/GA loudspeaker networks.

Technical data subject to change without notice.