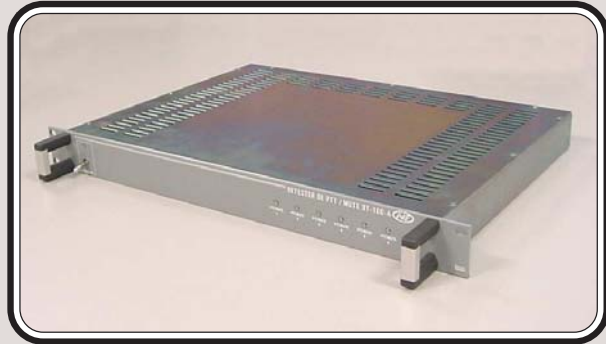




**INVELCO S.A.**  
**INVESTIGACIONES ELECTRONICAS Y COMUNICACIONES**

TONES DISCRIMINATOR FOR  
CONTROL OF MUTES, ON/  
OFF OF EQUIPMENTS AND  
ALARMS.

COMMUNICATION THROUGH  
TELEPHONE LINE (2 WIRES)



## PTT'S / MUTES DETECTOR MODEL DT-100-A

The tone discriminator DT-100-A, operates through a telephone line with the tone generator GT-302-A. It allows to decode internally tones sent by the generator, carrying out orders that cannot be sent by an ordinary remote-controller due to its retard in the execution (mute, on and off of equipments, reset of the remote-controllers, orders, etc.).

### IMPORTANT SPECIFICATIONS :

- AUDIO BAND 300Hz TO 3.000Hz .
- LINE IMPEDANCE 600 OHMS.
- LEVEL OF LINE INPUT -30dBm TO 0dBm ADJUSTABLES.
- POWER SUPPLY 220 VAC,  $\pm 20\%$ , 50/60Hz.
- TEMPERATURE RANGE -20°C TO +60°C.
- HUMIDITY 95%

Spanish  
Fabrication



## TECHNICAL CHARACTERISTICS OF THE PTT'S/MUTES DETECTOR.

### MODEL DT-100-A

#### DT-100-A PTT'S/MUTES DETECTOR TECHNICAL CHARACTERISTICS

Generals: The DT-100-A tone discriminator operates through a telephone line with the GT-302-A tones generator. It allows to decode internally tones sent by the generator, executing orders that cannot be sent by an ordinary remote-controller due to its retard in the execution (PTT, telegraphy operation, on and off of the equipments, reset of the remote-controllers, orders, etc.).

#### TONES DISCRIMINATOR TECHNICAL SPECIFICATIONS

Audio Band .....	300 to 3.000Hz
Line impedance .....	600 ohms.
Line input level .....	-30 to 0 dBm adjustables.
Nº of audio and PTT lines .....	6 máximo.
PTT activation .....	By tone of 2900Hz. -25dBm minimum
Line output level .....	-30 to 10dBm adjustables.
PTT contact .....	By rele
Power Supply .....	220V <sub>AC</sub> ±20% 50Hz.
Operating temperature .....	-30 to +60 °C.
Relative Humidity .....	95%

#### Dimensions:

Width Rack .....	19" Inches.
Height .....	1U (44mm.)
Depth .....	320mm.
Weight .....	5Kg.