



INVELCO S.A.
INVESTIGACIONES ELECTRONICAS Y COMUNICACIONES

S.M.S.S.M. / G.M.D.S.S.

REMOTE-CONTROLLER UNIT
CONTROLLED BY RS-232
PROTOCOLO

DEDICATED LINE LOCAL
MANAGER



REMOTE-CONTR. / NAVTEX INTERFACE MODEL TL-400-A

It is a modem unit of 2/4 wires dedicated line to be used with the NAVTEX transmission manager and that gives the NAVTEX system the possibility of establishing a data communications channel through an analogical dedicated line of 2 or 4 wires. In order to do so, it uses the MT5600 Multitech modem.

On the other hand, it gives the possibility to reset the modem by means of activating a frontal button.

IMPORTANT SPECIFICATIONS:

- Operation at 2/4 wires (can be configured).
- EIA RS-232-C / ITU V.24
- Speed 300 bps. up to 28.800 bps.
- Errors correction incorporated.
- Data compression incorporated.
- Power supply 220V_{AC} ±20%, 50Hz. AND -48V_{CC}.
- Operation -20°C to +70°C.
- Relative humidity 95% (without condensation).



TELEMANDO/INTERFACE NAVTEX, CARACTERISTICAS TECNICAS

MODEL TL-400-A

MODEM

- Operation at 2/4 wires, can be configured.
- Operation with dedicated line.
- Speed 300bps. to 28.800bps.
- Indicator light of state.
- Adaptative speed.
- Modulation modes: TCM, QAM, PSK, FSK.
- Adjustables line levels between -9db to -13db.
- Control by RS-232: RTS/CTS.
- Errors correction incorporated.
- Data compression incorporated.
- Totally consistent with any norm.
- EIA RS-232-C/ITU V.24 input
- Line output 600 ohms.
- Programmable output level.
- Standard connectors.

REMOTE-CONTROLLERS / NAVTEX INTERFACE

- Principal/Reserve conmutation control by RS-232.
- Equipment principal/reserve on/off.
- Line input/output conmutation, PTT, principal/reserve conmutation.
- Reception of 10 orders (48 optional).
- Transmission of 10 alarms (48 optional).
- Input level of alarms, TTL or 5-15 Vcc.
- Input orders, transistor open collector.
- Frontal indicator of Orders and Alarms.

GENERAL SPECIFICATIONS

- Power supply 220V_{AC} $\pm 20\%$, 50Hz. and -48V_{cc}.
- Operation temperature 0°C. to +60°C.
- Relative humidity 95% (without condensation).
- Storage temperature -20°C to +70°C.

MECHANICAL SPECIFICATIONS

- Width: Rack 19"
- Height: 2U
- Depth: 340mm.
- Weight: 2.5Kg.