



# ATS-SS01

## UNIVERSAL TTY-TELEX INTERFACE

The **ATS-SS01** is a telex interface box that enables a computer to be connected to public or private telex networks. Connected to a printer may be used as a receive-only telex.

### Features

- 2W - 4W operation
- Type A / B signaling
- Answerback in EEPROM
- Integrated line bypass switch
- 50 - 300 baud operation (private line)
- Incoming message buffer
- Manual and Automatic signaling functions
- Approved line interface components
- Highly efficient power supply

### Standard Equipment

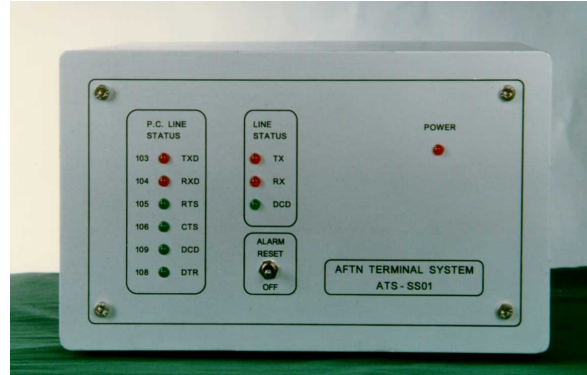
ATS-SS01	UNIVERSAL TTY-TELEX UNIT including <ul style="list-style-type: none"><li>- host computer connection cable</li><li>- RJ-11 cable with screw terminals</li><li>- Power cable</li><li>- Manual</li><li>- Communications Protocol</li><li>- Control software (DOS)</li></ul>
----------	--

### Optional Accessories

ATS-SS01-PRT	HEAVY-DUTY PRINTER <ul style="list-style-type: none"><li>- 80 column printer</li><li>- printer connection cable</li></ul>
ATS-SS01-ROLL	ROLL PAPER HOLDER <ul style="list-style-type: none"><li>- for ATS-SS01-PRT</li></ul>
ATS-SS01-RPU	READER-PUNCH UNIT <ul style="list-style-type: none"><li>- for 5 and 8 channel tape</li><li>(connects to host computer)</li><li>- RPU control software</li></ul>
ATS-SS01-AFTN	AFTN MESSAGE HANDLING <ul style="list-style-type: none"><li>- software package (WINDOWS)</li></ul>
ATS-SS01-127	ACP-127 MESSAGE HANDLING <ul style="list-style-type: none"><li>- software package (WINDOWS)</li></ul>

### Services

ATS-SS01-CUST	ATS-SS01 CUSTOMIZATION <ul style="list-style-type: none"><li>- battery operation</li><li>- national character sets</li><li>- custom control codes</li><li>- special line interface applications</li><li>- other message handling protocols</li></ul>
---------------	--



ATS-SS01 Universal TTY-TELEX Unit

### Application

The **ATS-SS01** Universal Teletype - Telex Interface is suitable for connecting a host computer to the public switched telex network or for point-to-point teletype connections. The interface automatically translates ITA-5 (National - ASCII) codes to ITA-2 (Baudot - Murray) codes and vice - versa.

Interface options are easily selectable via connector and jumper changes. The interface may be set for 2-wire or 4-wire operation. Connection to the telex line is done via modular type receptacle.

Communications to and from the host computer are echoed to the built-in printer port, making the **ATS-SS01** suitable for receive-only teletypewriter applications, with the addition of an optional printer.

Front panel indicators display the status of both the host computer and telex line interfaces. A resettable audible alarm will notify the operator in case of line problems.

The **ATS-SS01** features a wide-range mains power supply which accommodates virtually any available type of AC power and may withstand severe brown-outs.

### Software


The **ATS-SS01** includes control software for plain telex operation. In addition, the communications protocol is provided, enabling the development of custom applications and integration of the unit in existing communication systems.

Optional text message handling packages may be used for specialized applications (ICAO AFTN, NATO ACP-127 etc.)

### Custom Applications

The **ATS-SS01** may be customized to meet specific customer requirements.

## ATS-SS01 Universal Teletype - Telex Unit Specifications

<b>Interfaces</b>	TELEX 2W (simplex), TELEX 4W (full duplex)
<b>Application</b>	Switched telex network or point-to-point teletypewriter operation
<b>Signalling</b>	According to ITU U.1 (CCITT E.1), 5-bit Baudot - Murray codes
<b>Signalling rate</b>	Switched TELEX network: 50 Baud Point-to-Point: 50 - 75 - 100 - 110 - 134.5 - 150 - 200 - 300 Baud Selection is effected with jumpers
<b>Transmitted signal distortion</b>	less than 1%
<b>Received signal distortion</b>	greater than $\pm 40\%$
<b>Current loop</b>	Passive (2W switched telex) or Active (4W switched or point-to-point) single current 60V / $\pm 5\%$ - 0/40mA / $\pm 15\%$ or double current $\pm 60V$ / $\pm 5\%$ - $\pm 20mA$ / $\pm 10\%$
<b>Answerback</b>	Stored in EEPROM, software programmable
<b>Host Computer Communications</b>	V.24 interface, 8-bit National-ASCII codes, 300 - 9600 baud software selectable
<b>Status Display</b>	Line current, transmitted data, received data, host computer received and transmitted data, handshake signals.
<b>Printer port</b>	Centronics parallel interface
<b>Line Interface</b>	RJ-11 (2W or 4W)
<b>Line Protection</b>	Separate line interface printed circuit board. Surge arresters, fuses, capacitors and line filters approved for communications line connections.
<b>Power Supply</b>	100 - 240 VAC 50/60Hz, 0.05 A
<b>Mains Interface</b>	Approved user cable receptacle (IEC 320) with integrated line filter
<b>Environmental</b>	0 - 45°C, up to 90% relative humidity
<b>Physical</b>	22cm X 25cm X 13cm (W x D x H)
<b>Safety</b>	According to EN60950, EN41003 (73/23/EEC, 93/68/EEC)
<b>EMC</b>	EN55022 - CISPR22 Class A, EN50081-1, EN50082-1 (89/336/EEC)
<b>Approvals</b>	Hellenic National Telecommunications Commission 

## List of Services Offered

<b>Training</b>	Maintenance Personnel.
<b>Pre-Installation</b>	Application planning, installation study.
<b>Installation</b>	Installation, Setting to work.
<b>Post-Installation</b>	After sales technical support.



**SSA S.A.** Ethnikis Antistaseos 84, 152 31 HALANDRI, GREECE  
Tel: (+30) 210 6725106 Fax: (+30) 210 6726682  
Tlx: 225644 SSA GR E-mail: ssa@ssa.gr