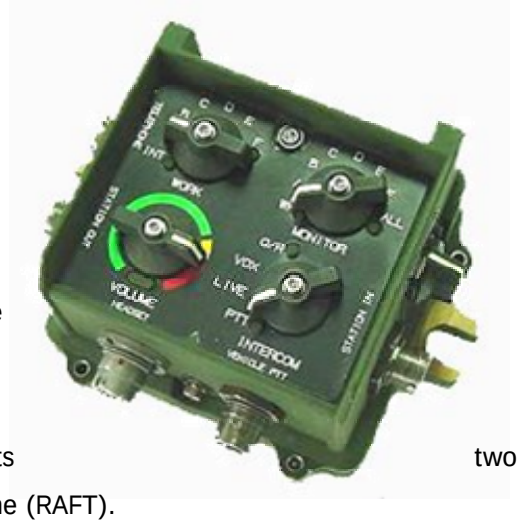
FFCS/T

CHELTON
Defence Communications

Full Function Crew Station with Telephone interface

The FFCS/T replaces a standard FFCS and can be added at any point without impacting the installed system, the unit provides access to the externally mounted "tank telephone" or remote field telephone.



The FFCS/T has an additional connector, call LED and a mode switch in addition to the FFCS controls. The additional connector provides the interfacing necessary for the external telephone units. The call LED provides visual indication that the external units are enabled and also if a user is attempting to gain access when the external units are disabled. The mode switch allows the external users access to the system and a call position allows ring tones to be generated at the external telephone.

The FFCS/T connects to an Infantry Telephone Station (ITS) which supports two headsets and either a TA-312 telephone or a remote Access Field Telephone (RAFT).

The FFCS/T allows the user the ability to generate the required ring tones for the standard TA-312 and the Remote Access Field Telephone (RAFT) when used in conjunction with the Infantry Telephone Station. The call LED on the unit provides feedback to the user if a call is initiated from a TA-312 since this may be up to 400 m from the vehicle and also that the external lamp on the vehicle is functioning when the FFCS/T operator calls an external user. The ability to disable all external calls allows the vehicle crew the ability to control outgoing communications and disable them if this is deemed necessary.

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Technical

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Specifications and Standards

Chelton products are designed and independently tested to international standards.

Environmental

Reliability (MTBF) - MIL-HDBK-217

Environmental - MIL-STD-810E :

Low Temperature (-40°C Operational, -57°C Storage, Method 502.3, Procedure I and II)

High Temperature (Hot, Method 501.3, Procedure I and II)

High Temperature plus Solar Radiation (+71°C, Method 505.3, Procedure I and II)

Humidity (Method 507.3, Procedure I and II)

Atmospheric Pressure (945 to 1060 millibars)

Elevation (Method 500.3, Procedure I and II)

Sand & Dust (Method 510.3)

Rain (Method 506.3, Procedure I)

Salt Fog (Method 509.3 Procedure 1)

Immersion (Method 512.3, Procedure I)

Vibration (Method 514.4, Procedure 1, Category 8)

Shock (Method 516.4, Procedure IV and VI & MIL-S-901)

Fungus (Method 508.4)

Explosive Atmosphere (Method 511.3, Procedure 1)

Electromagnetic Compatibility - MIL-STD-461C

Part 4 (CE01, CE03, CE07, CS01, CS02, CS06, RE02, RS02 and RS03)

Electromagnetic Pulse - MIL-STD-461C part 4, (RS05 and CS11)

Electrostatic Discharge - IEC 801-2:2, level 4

Rapid Speech Transmission Index (RASTI)

Mechanical Dimensions and Weights

Height (mm)	Width (mm)	Depth (mm)	Mounting (mm)	Weight (kg)
78	140	115	140	0.9

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