



Remote Access Field Telephone - RAFT

The RAFT provides the ability to remotely control all of the internal communications assets up to 400m from the vehicle. The RAFT duplicates all of the FFCS controls with the additional benefit of providing radio and intercom traffic indicators which are automatically activated when traffic is present on the particular channel.

The RAFT is connected to the ITS via D10 twisted pair. The RAFT is secured in the vehicle using a quick release mechanism allowing the unit to be stored securely when not in use but quickly removed without the need of any tools.

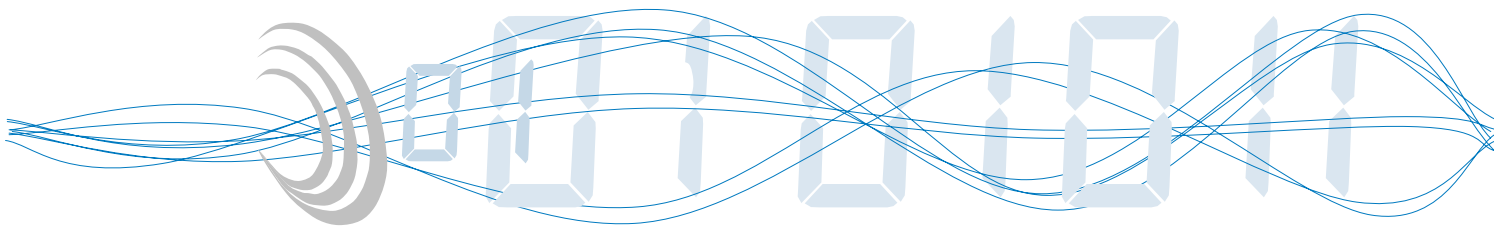
Features

The RAFT allows the connection of two handsets to the unit. The controls provided are identical to the FFCS with the added capability of radio and intercom LED traffic indicators. The traffic indicators each have their own digital detection circuit which constantly monitor the digital traffic on the intercom bus, upon reception of valid traffic the LED is illuminated allowing an operator

The RAFT does not require any external or internal batteries and is self powered via the D10 twisted pair connected to the terminal posts on the unit.



to quickly





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)

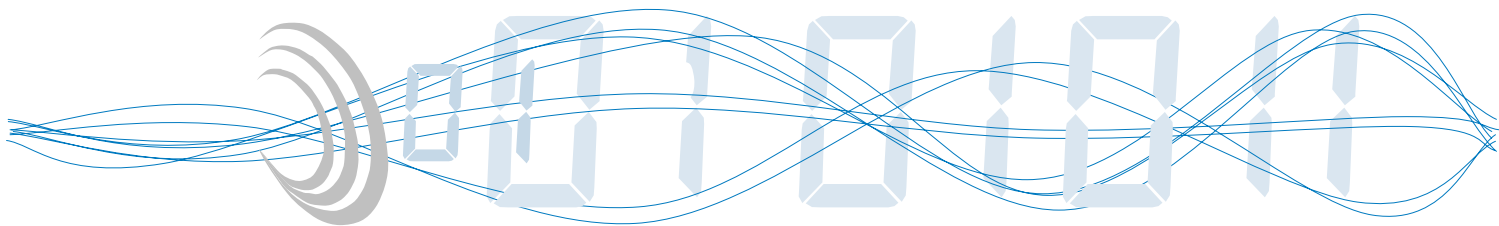
Electromagnetic Pulse - MIL-STD-461C part 4, (RS05 and CS11)

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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