



POWER MANAGEMENT SYSTEMS



SQUADNET MULTI-CHANNEL CONDITIONER

Part Number 404354-2001

Designed to support logistics operations for Thales' SquadNet networking radio, the Multi-Channel Conditioner can house up to 12 SquadNet batteries. The conditioner reduces operational downtime by eliminating the need to charge batteries whilst still connected to radio systems. The simple, compact design is both desk or wall mountable.

The conditioner has two operational modes, standard charging and a charge/discharge conditioning feature. The conditioning feature takes batteries to just under 30% state of charge, ready for air transportation in line with IATA regulations. All channels operate independently and simultaneously for maximum flexibility during use.

Batteries connect directly to the conditioner via the same mechanism as for the radio, providing a simple, familiar interface. Operational mode selection and start/stop functionality are via intuitive push button controls. Mode and functional status are provided via LED indicators for each channel. Operation, once initiated, is automatic and requires no user supervision.

The SquadNet Multi-Channel Conditioner is powered from a universal AC mains supply, catering for global use. The convection cooled unit ensures long service life with minimal user maintenance. All electronic features to ensure safe and efficient battery operation are included to promote long battery service life.



TECHNICAL DATA:

AC Input	
Connector AC IN	85 - 264V AC, 50/60Hz, 2.5A max, 150W max
Input Connector	IEC 60320 C14 type (Mains supply cables can be supplied to customer's requirements)
Charging Output	
Battery Charging	12 independent channels 4.2V, 1A current limit per channel
Environmental	
Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +70°C
Operating Environment	Sheltered environment, flat surface or wall mounted, free air
Sealing	IP20
Mechanical	
Dimensions	545mm(w) X 327mm (d) X 64mm(h)
Weight	3.2kg (charger only)