

# PS-x25T/TU/LT

## Intelligent Dual-Relay Secured Power Supply



PS-A25T/TU/LT

PS-C25T/TU/LT

The PS- x25T/TU/LT family of secured power supplies converts AC power to 12 VDC with an integrated battery charger, designed for use with all of Rosslare's convertible and secure access controller units (ACU). The units feature a metal cabinet mounted with AC-AC transformer (except the PS-C25TU version), secure power supply module with 2 on-board relays, sounder module, and space for a 7 Ah rechargeable backup battery (C-Type casing only).

### GENERAL DESCRIPTION

The PS- x25T/TU/LT family contains 2 power supplies, one for the lock output and the other for the ACU. This design isolates the lock from the ACU, securing the functionality of the lock even if the ACU is tampered with.

When a valid code is entered via the ACU, it communicates with the power supply using a Rosslare proprietary protocol sending a command to activate the lock or auxiliary relay.

Similarly, the Release-to-Exit (REX) button is attached directly to the PS- x25T/TU/LT unit.

### MAIN FEATURES

- Two power supplies in one for controller unit, and door strike
- Door bell feature (from "\*" key) when used with Rosslare Secure Controller series or convertible readers\*
- Secure operation using digital communications to the keypad, rejects wire tamper attempts. A siren sound is generated upon keypad disconnection attempt.

- Mounted speaker module sounding doorbell chime alerts
- Built-in backup battery charger for 12 V Sealed Lead Acid type rechargeable batteries
- Automatic switch over to backup battery when AC fails with no voltage drop
- Additional input for door monitoring or other auxiliary options

### PROFESSIONAL GRADE FEATURES

- Tamper monitoring of connected keypad
- Fail Safe/Fail Secure Form-C 5 A Lock Strike and Alarm/Auxiliary Relays
- Supports Rosslare's secure controller and AYC series of convertible readers/controllers\*\*

\* Necessary for Rosslare's Secure Controller series, optional for AYC convertible series in Controller mode.

\*\* Both relays can be operated by the convertible keypads; however, keypads of the Secure Controller family or of older convertible versions can operate a single relay only.

# SPECIFICATIONS

ELECTRICAL SPECIFICATIONS	PS-A25T*	PS-C25T/LT*	PS-C25TU
■ Input	230 VAC, 50 Hz, 0.14 A		16 VAC (25 VA)
	x25LT models: 16 to 24 VAC (25 VA)		
■ Internal Transformer	230/16 VAC, 25 VA		N/A
■ DC Output	DC output: 11.7~13.2 VDC, 1 A max. combined ACU output and lock power supply		
■ Lock Output	5 A, SPDT relay. Max switched current: 5 A Max Switched voltage: 150 VDC or 300 VAC UL Rating: 5 A at 30 VDC or 5 A at 125 VAC		
■ Auxiliary Output	5 A, SPDT relay Max Switched current: 5 A Max Switched voltage: 150 VDC or 300 VAC UL Rating: 5 A at 30 VDC or 5 A at 125 VAC		
ENVIRONMENTAL SPECIFICATIONS			
■ Operating Temperature Range	-10°C to 50°C (14°F to 122°F)		
■ Operating Humidity Range	0 to 85% (non-condensing)		
PHYSICAL SPECIFICATIONS			
■ Weight	1.2 kg (2.7 lb)	2.4 kg (5.4 lb)	1.5 kg (3.3 lb)
■ Dimensions (H x W x D)	182 x 80 x 68 mm (7.2 x 3.1 x 2.7 in.)	225 x 230 x 76 mm (8.9 x 9.1 x 3.0 in.)	
■ Components and Options	Designed for Rosslare's convertible AYC readers/controllers and Rosslare's Secure Series controllers		
■ Additional Information	The PS- x25T/TU/LT can be ordered with two types of metal enclosures, with built-in speaker module and different AC mains transformer components to meet international standard requirements.		
PRODUCT WARRANTY	2-Year limited product warranty		



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