

PS-25T

Intelligent Dual Relay Secure Power Supply

Using supervised digital communications, the PS-25T Secure Power Supplies reject wire tampering attempts. They are compatible with Rosslare's *Secure Controller* and *Convertible* reader/controller series', automatically transforming the convertible units into 500-user stand-alone controllers, featuring fully programmable two-relay operation. The PS-25T features a metal cabinet mounted with AC-AC transformer (except the PS-C25TU version), secure power supply module with two on-board relays, sounder module and space for a 7Ah rechargeable backup battery (C type casing only).

General Description

The components mounted on the PS-25T allow the user to integrate and install a variety of lock strikes, battery sizes, and end units suiting the application.

With the simplicity provided by an Automatic Mode Recognition feature, it converts Rosslare's "AYC" convertible units into a fully featured 500-user controller with lock strike and alarm/auxiliary relay outputs, thus reducing stock levels.

PS-25T powers standard 12V/1.2A door strikes, has two 5A strike control relays and a built in REX input, allowing door unlocking. An internal sounder can provide different alerts for doorbell, chime and alarm.

For either Fail-Safe or Fail-Secure configuration, the PS-25T has a built-in backup battery charger and space to accommodate 12V Sealed Lead Acid backup battery of up to 7Ah capacity (C box only).



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 12V 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 5A Lock Strike and Alarm/Auxiliary Relays.
- Supports Rosslare's *Secure Controller* and AYC series of *Convertible* readers/controllers**
- Available with the following models:
 - PC-25T: PCB Module
 - PS-A25T: 7x3" cabinet, 230VAC/50Hz
 - PS-C25T: 8x8" cabinet, 230VAC/50Hz
 - PS-C25TU: 8x8" cabinet, UL version

* 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* family or of older *Convertible* versions can operate a single relay only.

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Product Specifications

Model:	PS-A25T	PS-C25T	PS-C25TU
ELECTRICAL CHARACTERISTICS			
• Input Voltage:	230VAC/60 Hz, 0.14A	230VAC/60 Hz, 0.14A	External 16VAC, 1.5A
• Transformer Output	16VAC/1.5A, 40VA Max.	16VAC/1.5A, 40VA Max.	(No internal transformer)
• Standby Current:	Depends on keypad type		
OPERATIONAL CHARACTERISTICS			
• Battery Charger:	12V Sealed Lead Acid	12V Sealed Lead Acid	12V Sealed Lead Acid
• Battery DC Input:	10 to 16 VDC –Current depends on attached devices.		
• Lock Strike Power:	12VDC constant voltage output / 1.2 A Current Limit		
• Lock Strike Relay:	5A Form-C, N.O / N.C		
• Alarm/Auxiliary Relay:	5A Form-C, N.O / N.C		
• Keypad Power:	12V DC regulated output / 300mA current limit.		
• Communications:	Proprietary Rosslare Secure Format – monitored for wire tamper.		
• Power LED	Red LED indicates connection to input voltage.		
• Sounder	Built-in 8 Ohm, 0.25W Speaker for door-bell, chime and alarm sounds.		
ENVIRONMENTAL CHARACTERISTICS			
• Operating Environment:	Indoor Use		
• Operating Temperature:	-10 °C to 50 °C (14 °F to 122 °F)		
• Operating Humidity:	0 to 95% (Non Condensing)		
MECHANICAL CHARACTERISTICS			
• Dimensions:	18.2cm x 8cm x 6.8cm (7.2" x 3.1" x 2.7")	22.5cm x 22cm x 8.2cm (8.86 x 8.66" x 3.2")	22.5cm x 22cm x 8.2cm (8.86 x 8.66" x 3.2")
• Weight:	1.2Kg (2.7 lbs)	2.45Kg (5.4 lbs)	1.5Kg (3.3 lbs)

Components and Options

Designed for Rosslare's **Convertible** AYC readers/controllers: AYC-G54, AYC-G64, AYC-F54, AYC-F64, AYC-Q54B, AYC-Q64B, AYC-E55, AYC-W6500.

Compatible with Rosslare's **Secured Series** Controllers: AC-S73, AC-T73, AC-Q74 and AC-E75.



Additional Information

The PS-25T 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.



Models: PC-25T:

PS-A25T:

PS-C25T, PS-C25TU:



The PS-25T is covered by Rosslare's 2-Year Limited Product Warranty.
For sales information or product documentation, please visit our website:
<http://www.rosslaresecurity.com>.



CFR47 Part 15b Certified



UL-294 Listed for Access Control System Units (PS-C25TU)

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