PS-C25TB

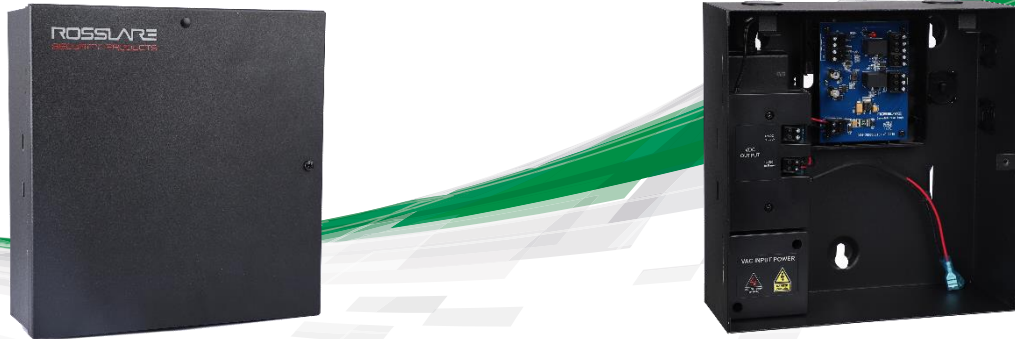## Power Management Enclosure with built in Secure Relay I/O Module

THE **PS-C25TB** IS A COMBINATION OF THE **ME-0515M** POWER MANAGEMENT ENCLOSURE WITH THE **MD-25TB** SECURE RELAY I/O MODULE FACTORY PREASSEMBLED. IT IS THE ULTIMATE SOLUTION TO CONVERT ROSSLARE'S CONVERTIBLE SERIES (AYC) READERS INTO SECURE STANDALONE CONTROLLER UNIT USING THE **MD-25TB** WHILE PROVIDING THE FULL POWER MANAGEMENT AND INSTALLATION EASE OF THE **ME-0515M.**

GENERAL DESCRIPTION

The PS-C25TB has a switch mode power supply with a universal power input range of 100 – 240 VAC, 50/60 Hz, 1.5A AC input, and generates a 15V DC, 4A output to the PM-05 power management module. The PM-05 has two independent power channels outputs each with an isolated PTC (self-resetting fuse), with one channel connected to the MD-25TB and the second channel available to power any device of your choice.

The MD-25TB isolates the lock from the Controller Unit, securing lock functionality when the Controller Unit is tampered with on the outside of the secure premises. A proprietary two way protocol allows the Controller Unit to activate the Lock/Auxiliary relays and activate the built in speaker (for bell, chime, and siren) in the Secure Module, while the Secure module can also communicate REX input status to the Controller Unit. If the data line between the Controller Unit and the secure module is cut, the system detects the data line has been tampered with and generates a one-minute siren and closes the lock output.

Battery backup is available upon AC power failure, the PM-05 module instantaneously (UPS) switches power over to a standby 7AH sealed lead acid battery (not included).

MAIN FEATURES

- Relay for secure door operation using Rosslare AYC series of convertible controllers
- Global input voltage – 110 VAC to 240 VAC 50/60Hz auto select.
- Delivers two isolated 14.5VDC @2 Amp
- Universal C14 power plug for standard power cable connection (order option).
- Rosslare PowerLock™ C13 socket – power cable can be secured using a locking mechanism and cannot be pulled out of the socket

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SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

SMPS	Input	110 – 240 VAC, 50/60 Hz, 1.5 A
	Output	15 VDC, 4 A
PM-05	Input	15 VDC, 4 A
	Output	14.5 VDC, 2 A (CH1/CH2)
	Battery Charge current	1.5 A
MD-25TB	Input	12 VDC, 2 A
	Output	12 VDC, 0.25 A (PCB maximum output current) 5 A Form C, SPDT Relay
	Auxiliary Output	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
	Speaker Output	0.25 W, 8 Ω (minimum)
	LED indicators	Power Status • Red shows power on • Off shows power off

ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	Indoor
■ Operating Temperature Range	-10°C - 50°C (14°F - 122°F)
■ Operating Humidity Range	0 to 85% (non-condensing)

MECHANICAL SPECIFICATIONS

■ Enclosure Dimensions	228 x 224 x 84 mm (9.0 x 8.8 x 3.3 in.)
■ Weight	2.21 kg (4.87 lb)
COMPATABILE DEVICES	Rosslare AYC readers
PRODUCT WARRANTY	2-year limited product warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications. With Rosslare, you receive the best of all worlds: world-class product engineering and design; professional customer service spanning the globe.

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