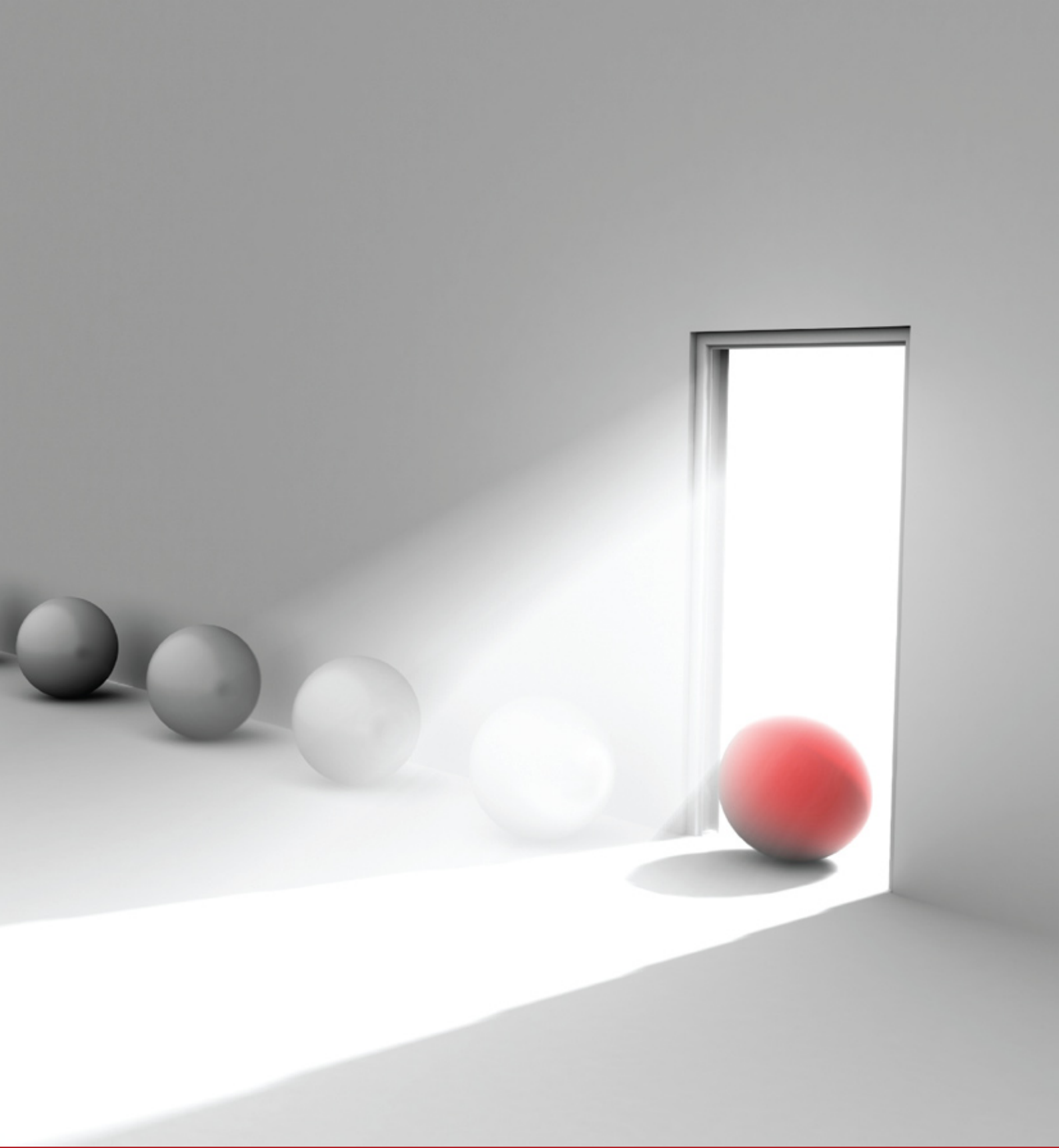

PROTEGE®

Protégé Mini Two Reader Expander

Contents

- **Protégé Mini Two Reader Expander**

  Mini Reader Hardware Interface
  Power Supply
  Arming/Disarming
  Connectivity and System Expansion
  Communication
  Upgradable Firmware

- **Standard Configuration**

- **Protégé Mini Two Reader Expander Diagram**

- **Protégé Reader Expander Feature Set Comparison Chart**

- **Technical Specifications**

	Power Supply	Battery Backup	Aux PSU	Lock Outputs	Lock Monitoring	Reader Ports	Entry/Exit Readers	Zone Inputs	Isolated RS485 Ports	Non-Isolated RS485	Ethernet	Offline Users
PRT-RDM2	12VDC			2 Relay		2	•	6		1		10
PRT-RDS2	16VAC	•	1A	2 Electronic	•	2	•	8	1			10
PRT-RDI2	16VAC	•	1A	2 Electronic	•	2	•	8	2			2000
PRT-RDE2	16VAC	•	1A	2 Electronic	•	2	•	8	2		•	2000

Technical Specifications

Power	Operating Voltage Operating Current Reader Voltage Output	12.5VDC to 13.5VDC 83mA (109mA Max) 1.1A Fused/Monitored
Battery Backup	Type Charging Low Battery Electronic Disconnection	13.8V Sealed Lead Acid 350mA/700mA 11.2VDC Alarm, 12.5VDC Restore 8.76VDC
Cable Specifications	Protégé RS-485 Encrypted System Network Communication	Beldon Part Code 9842 or Equivalent. CAT5 / 5e (900m) or Similar.
Communication	Serial	1 RS485 Communication Interface Port
Readers	Standard Mode Multi-Reader Mode	2 Wiegand or Clock Data Readers providing one Entry/Exit door or two entry/exit only doors. 4 Wiegand Readers (connected in multi reader mode) providing any combination of entry or exit for two doors.
Zone (Inputs)	System Zones Enclosure Tamper	6 Standard zones individual resistor or no resistor per zone. Each zone links to programmable door function. Request to exit, Door Contact and Bond Sensing. Normally Closed
PGM (Outputs)	Lock Control PGMs System PGMs	2 5A (Max) High Current FORM C relay outputs 6 50mA (Max) Open collector output for reader LED and beeper or general functions.
Temperature	Operating Storage Humidity	5° to 55°C (41°to 131°F) -10° to +85°C (14° to 185°F) 0%-85% (Non Condensing)
Dimensions	Height Width Depth Weight	183mm (7.20”) 92mm (3.62”) 26mm (1.02”) 258gms (9.10 ounces)
Enclosure	Height Width Depth Weight	280mm (11.02”) 280mm (11.02”) 89mm (3.50”) 3950gms (139.33 ounces)
The size of conductor used for the supply of all power to the Protégé Mini Two Reader Interface should be adequate in size to prevent voltage drop at the terminals of no more than 5% of the rated voltage.		

ICT CODE: 245-4070-001 V: 81B2

International Compliance Standards:
The Protégé Mini Two Reader Expander complies with the following international standards.
For an installation of the Protégé Mini Two Reader Expander to comply with any of the standards all installation procedures and programming configuration settings must be made in accordance with the required standard.

Disclaimer:
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