

Power Management Systems

Mercury | HID 4 / 8 / 16 Reader



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Installation and service efficiencies

- One AC drop reduces installation costs
- Removable back plate simplifies controller wiring and minimizes installation time and labor costs
- Deep enclosures accommodate large battery sets

Pre-wired power section

- 120VAC and 230VAC models available for quick installation
- Polarized AC harness offers safe disconnect

Custom-designed backplate

- Removable aluminum backplate mounts accommodate unique requirements
- Multiple controllers in single and dual voltage, and with standard and network configurations suit any application

Power monitoring and reporting

power supplies • batteries • locks
ac mains • site event logs and reporting

LifeSafety Power OutSmart™ technology

- Dual-color output LEDs verify voltage throughout system

Key benefits and applications

Seamless design

Mechanical integration of power, locks, Synergis™ Cloud Link and Mercury or HID controllers into one innovative unified system streamlines any deployment.

Labor efficiencies

Single enclosure, one AC drop, removable back plates, and a flexible mix-and-match mounting pattern cuts installation time significantly.

Innovative power architecture

Unique dual-buss structure distributes 12 and 24VDC to all accessory modules so the system and lock power are available on a user-selected basis.

Remote power management

LSP integration allows Security Center to generate custom events for power faults, low battery, compromised locks, required system service, and more.

Genetec part number guide - Mercury

SY

DV

16RD

E8M2

NET

-WPX

-E

VOLTAGE

READER COUNT

ENCLOSURE

NETWORKED

WIRE MGMT

230VAC

W - Wired

P - Panduit

X = A 1502/MR52 wiring

C all MR52 wiring

G Cloud Link/1502/MR52 wiring

DUAL VOLTAGE (DV)

4RD 12V/2A and 24V/2A, 8 auxiliary and 4 lock outputs

8RD 12V/4A and 24V/4A, 8 auxiliary and 8 lock outputs

16RD 12V/12A and 24V/10A, 16 auxiliary and 16 lock outputs

SINGLE VOLTAGE (SV)

4RD 12V/6A, 8 auxiliary outputs

8RD 12V/6A, 8 auxiliary outputs

16RD 12V/12A, 16 auxiliary outputs

MERCURY ENCLOSURES

E2VM 20 X 16 X 4.5 (4 reader/SV)

E4VM 24 X 20 X 6.5 (8 reader/SV)

E2M 20 X 16 X 4.5 (4 reader/DV)

E4M 24 X 20 X 6.5 (8 reader/DV)

E4M1 24 X 20 X 6.5 (8 reader/DV door mount)

E8M2 36 X 30 X 6.5 (16 reader)

SECURITY CENTER SDK INTEGRATION

PART NUMBER: GSC-1SDK-LSP-NETLINK

Single-voltage Mercury power systems

All single-voltage models come standard with pre-installed Panduit duct. For a managed or ProWire® model, select a dual-voltage system.

Configuration	Genetec	12VDC	ENCL HxWxD	Outputs	Backplate mounting guide
(4) Reader	SY-SV4RD-E2VM-P	6A	20 × 16 × 4.5	8 auxiliary	(2) MERCURY and Synergis™ Cloud Link
(8) Reader	SY-SV8RD-E4VM-P	6A	24 × 20 × 6.5	8 auxiliary	(4) MERCURY and Synergis™ Cloud Link
(16) Reader	SY-SV16RD-E8M2-P	12A	36 × 30 × 6.5	16 auxiliary	(8) MERCURY and Synergis™ Cloud Link

4 Reader - E2VM

75W 6A/12V
(8) auxiliary outputs

8 Reader - E4VM

75W 6A/12V
(8) auxiliary outputs

16 reader - E8M2

150W 12A/12V
(16) auxiliary outputs

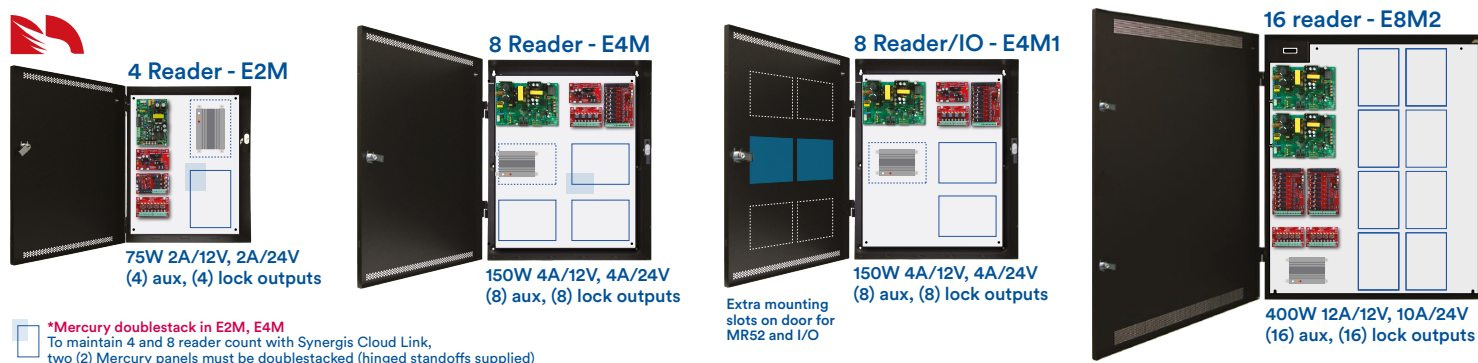
For 230VAC pn add "-E" suffix to back of Genetec part number

Dual-voltage Mercury power systems

Dual-voltage models have three (3) configuration options: standard, standard with Panduit, and ProWire® factory pre-wired with Panduit.

	Unmanaged models	Managed models
4-READER	12V/2A and 24V/2A • 8 auxiliary and 4 lock outputs • 20 × 16 × 4.5 E2M enclosure • Two (2) mounting slots*	
Standard	SY-DV4RD-E2M	SY-DV4RD-E2M-NET
Panduit	SY-DV4RD-E2M-P	SY-DV4RD-E2M-NET-P
ProWire	SY-DV4RD-E2M-WPA	SY-DV4RD-E2M-NET-WPA
8-READER	12V/4A and 24V/4A • 8 auxiliary and 8 lock outputs • 24 × 20 × 6.5 E4M enclosure • Four (4) mounting slots*	
Standard	SY-DV8RD-E4M	SY-DV8RD-E4M-NET
Panduit	SY-DV8RD-E4M-P	SY-DV8RD-E4M-NET-P
ProWire	SY-DV8RD-E4M-WPA	SY-DV8RD-E4M-NET-WPA
8-READER+IO	12V/4A and 24V/4A • 8 auxiliary and 8 lock outputs • 24 × 20 × 6.5 E4M1 enclosure • Fits (4) MERC, Cloud Link & IO	
Standard	SY-DV8RD-E4M1	SY-DV8RD-E4M1-NET
Panduit	SY-DV8RD-E4M1-P	SY-DV8RD-E4M1-NET-P
ProWire	SY-DV8RD-E4M1-WPA	SY-DV8RD-E4M1-NET-WPA
16 READER	12V/12A and 24V/10A • 16 auxiliary and 16 lock outputs • 36 × 30 × 6.5 E8M2 enclosure • Fits (8) MERC & Cloud Link	
Standard	SY-DV16RD-E8M2	SY-DV16RD-E8M2-NET
Panduit	SY-DV16RD-E8M2-P	SY-DV16RD-E8M2-NET-P
ProWire	SY-DV16RD-E8M2-WPA	SY-DV16RD-E8M2-NET-WPA

ProWire models listed are A-style wiring (LP1502/4502 + MR52). For C-style wiring (all MR52's), change WPA suffix to "C", i.e., SY-DV16RD-E8M2-WPC. For G-style wiring (Cloud Link/LP1502/MR52), change WPA suffix to "G", i.e., SY-DV16RD-E8M2-WPG.



Genetec part number guide - HID

SY –

DV

VOLTAGE

16RD –

READER COUNT

E8V –

ENCLOSURE

NET

NETWORKED

-WTA

WIRE MGMT

-E

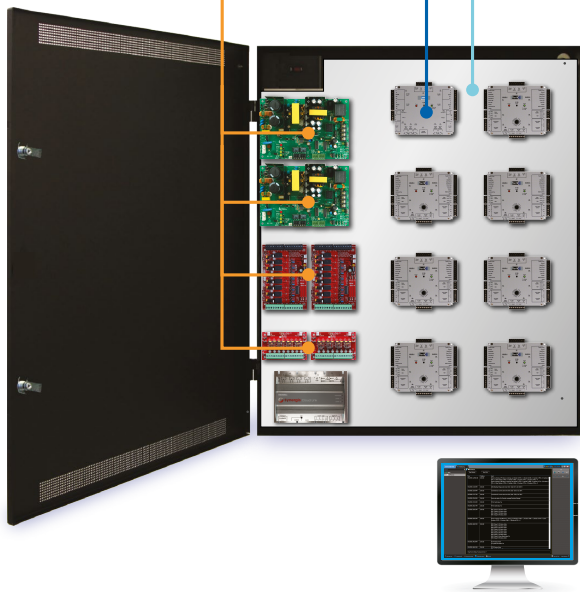
230VAC

W - Wired

T - Tie Wrap

X = A Vx00 wiring

G Cloud Link/Vx00 wiring



DUAL VOLTAGE (DV)

4RD 12V/2A and 24V/2A, 8 auxiliary and 4 lock outputs

8RD 12V/4A and 24V/4A, 8 auxiliary and 8 lock outputs

16RD 12V/12A and 24V/10A, 16 auxiliary and 16 lock outputs

SINGLE VOLTAGE (SV)

4RD 12V/6A, 8 auxiliary outputs

8RD 12V/6A, 8 auxiliary outputs

16RD 12V/12A, 16 auxiliary outputs

HID ENCLOSURES

E2VM 20 X 16 X 4.5 (4 reader/SV)

E4VM 24 X 20 X 6.5 (8 reader/SV)

E2V 20 X 16 X 4.5 (4 reader/DV)

E4V 24 X 20 X 6.5 (8 reader/DV)

E4V1 24 X 20 X 6.5 (8 reader/DV door mount)

E8V 36 X 30 X 6.5 (16 reader)

SECURITY CENTER SDK INTEGRATION

PART NUMBER: GSC-1SDK-LSP-NETLINK

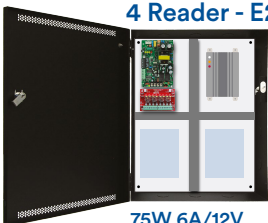
Single-voltage HID power systems

All single-voltage models come standard with pre-installed Panduit duct. For a managed or ProWire® model, select a dual-voltage system.

Configuration	Genetec	12VDC	ENCL HxWxD	Outputs	Backplate mounting guide
(4) Reader	SY-SV4RD-E2VM-P	6A	20 × 16 × 4.5	8 auxiliary	(2) VERTX and Synergis™ Cloud Link
(8) Reader	SY-SV8RD-E4VM-P	6A	24 × 20 × 6.5	8 auxiliary	(4) VERTX and Synergis™ Cloud Link
(16) Reader	SY-SV16RD-E8V-P	12A	36 × 30 × 6.5	16 auxiliary	(8) VERTX and Synergis™ Cloud Link

HID

4 Reader - E2VM



75W 6A/12V
(8) auxiliary outputs

8 Reader - E4VM



75W 6A/12V
(8) auxiliary outputs

16 reader - E8V



150W 12A/12V
(16) auxiliary outputs

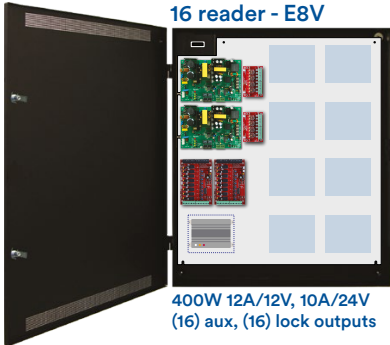
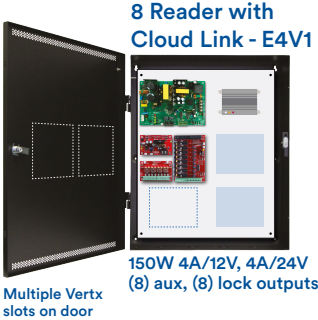
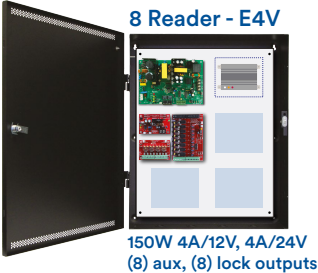
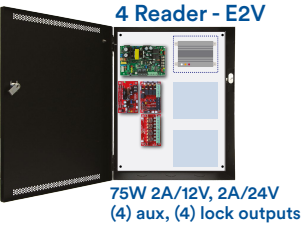
Dual-voltage HID power systems

Dual-voltage models have two (2) configuration options: standard and ProWire® factory pre-wired (tie wrap only).

	Unmanaged models	Managed models
4-READER	12V/2A and 24V/2A • 8 auxiliary and 4 lock outputs • 20 × 16 × 4.5 E2V enclosure • Fits (2) VERTX & Cloud Link	
Standard	SY-DV4RD-E2V	SY-DV4RD-E2V-NET
ProWire	SY-DV4RD-E2V-WTA	SY-DV4RD-E2V-NET-WTA
8-READER	12V/4A and 24V/4A • 8 auxiliary and 8 lock outputs • 24 × 20 × 6.5 E4V enclosure • Four (4) mounting slots*	
Standard	SY-DV8RD-E4V	SY-DV8RD-E4V-NET
ProWire	SY-DV8RD-E4V-WTA	SY-DV8RD-E4V-NET-WTA
8-READER+Cloud Link	12V/4A and 24V/4A • 8 auxiliary and 8 lock outputs • 24 × 20 × 6.5 E4V1 enclosure • Fits (4) VERTX, Cloud Link	
Standard	SY-DV8RD-E4V1	SY-DV8RD-E4V1-NET
ProWire	SY-DV8RD-E4V1-WTA	SY-DV8RD-E4V1-NET-WTA
16-READER	12V/12A and 24V/10A • 16 auxiliary and 16 lock outputs • 36 × 30 × 6.5 E8V enclosure • Fits (8) VERTX & Cloud Link	
Standard	SY-DV16RD-E8V	SY-DV16RD-E8V-NET
ProWire	SY-DV16RD-E8V-WTA	SY-DV16RD-E8V-NET-WTA

ProWire models listed are “A” style wiring (Vx00 wiring). For “G” wiring (Cloud Link/Vx00 wiring), change WTA suffix to “G” SY-DV16RD-E8V-WTG.

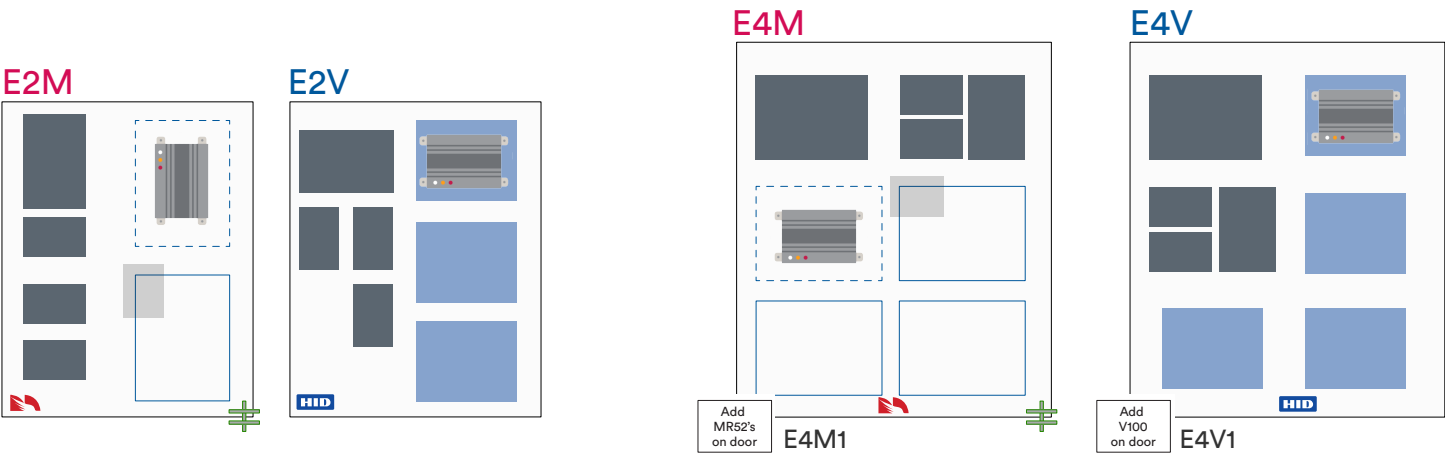
HID



4 | 8 reader enclosure backplate pattern guide



Mercury | HID dual-voltage enclosures



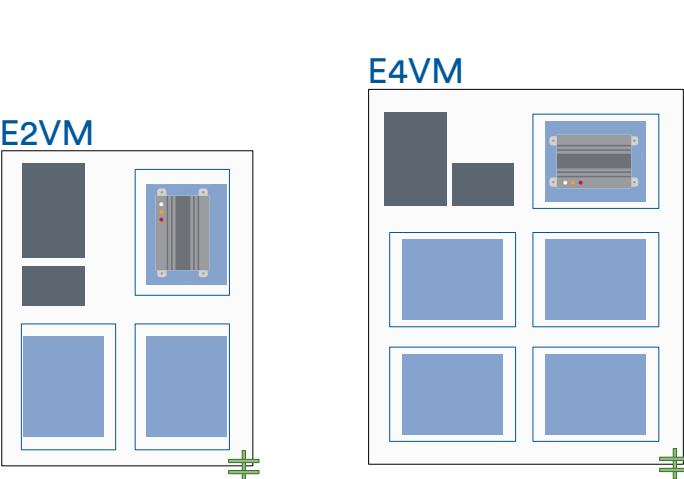
Notes on Mercury E2M, E4M enclosures

 When Cloud Link is installed, doublestacking (2) Mercury boards is required to keep full 4/8 reader count.
Hinged standoff mounting hardware included for that purpose.

 Optional Panduit installation is available for Mercury configurations only.



Mercury | HID single-voltage enclosures



*Because of the dual-pattern E2VM/E4VM backplate, both Mercury and HID 2RD/4RD single voltage models share the same part number.
Pre-installed Panduit is standard in both models.





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