

# APTER POWER FIELD WORKBOOK

INSTALLATION | APPLICATION | VERIFICATION

## 10300/1/1

### Coated 24 Vdc to 5 Vdc Power Converter

CONTROLLED ENGINEERING COPY

Isolate the 24 Vdc feed, confirm converter position and polarity, then measure the five-volt rail under controlled load before re-enabling dependent chassis modules.

| INSTALLATION IDENTITY | REQUIRED VALUE |
|-----------------------|----------------|
| Complete model        | 10300/1/1      |
| Manufacturer part     | 136-010875B    |
| Hardware type         | 24 Vdc         |
| System family         | Safety Manager |



#### APTER POWER SALES TEAM

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10300/1/1

# 01 PRE-INSTALLATION PLAN

- 1

Verify the complete 10300/1/1 marking and its assigned Safety Manager position before work.
- 2

Isolate the energy associated with Safety Manager chassis before disconnecting 10300/1/1.
- 3

Protect the 10300/1/1 connectors and electronic assembly using approved ESD controls.
- 4

Record the as-found 24 Vdc cabinet feed connections and configured assignment before replacement.
- 5

Confirm Five-volt distribution path matches the approved installation record for 10300/1/1.

## MATCHED HARDWARE

- Safety Manager chassis
- 24 Vdc cabinet feed
- Five-volt distribution path
- Converter mounting hardware

## INSTALLATION CONTROL RECORD

| CONTROL ITEM       | REQUIRED RECORD                                          |
|--------------------|----------------------------------------------------------|
| Identity           | 10300/1/1 / 136-010875B recorded                         |
| Physical interface | Safety Manager chassis                                   |
| Companion check    | 24 Vdc cabinet feed                                      |
| Functional proof   | Converts cabinet 24 Vdc into the five-volt system supply |
| Application test   | Safety Manager cabinet power                             |

## 02 WIRING & INTERFACE CHECKS

| CHECK ITEM     | REQUIRED VALUE |
|----------------|----------------|
| Input voltage  | 24 Vdc         |
| Output voltage | 5 Vdc          |
| Output current | 12 A           |
| Coating        | Conformal      |

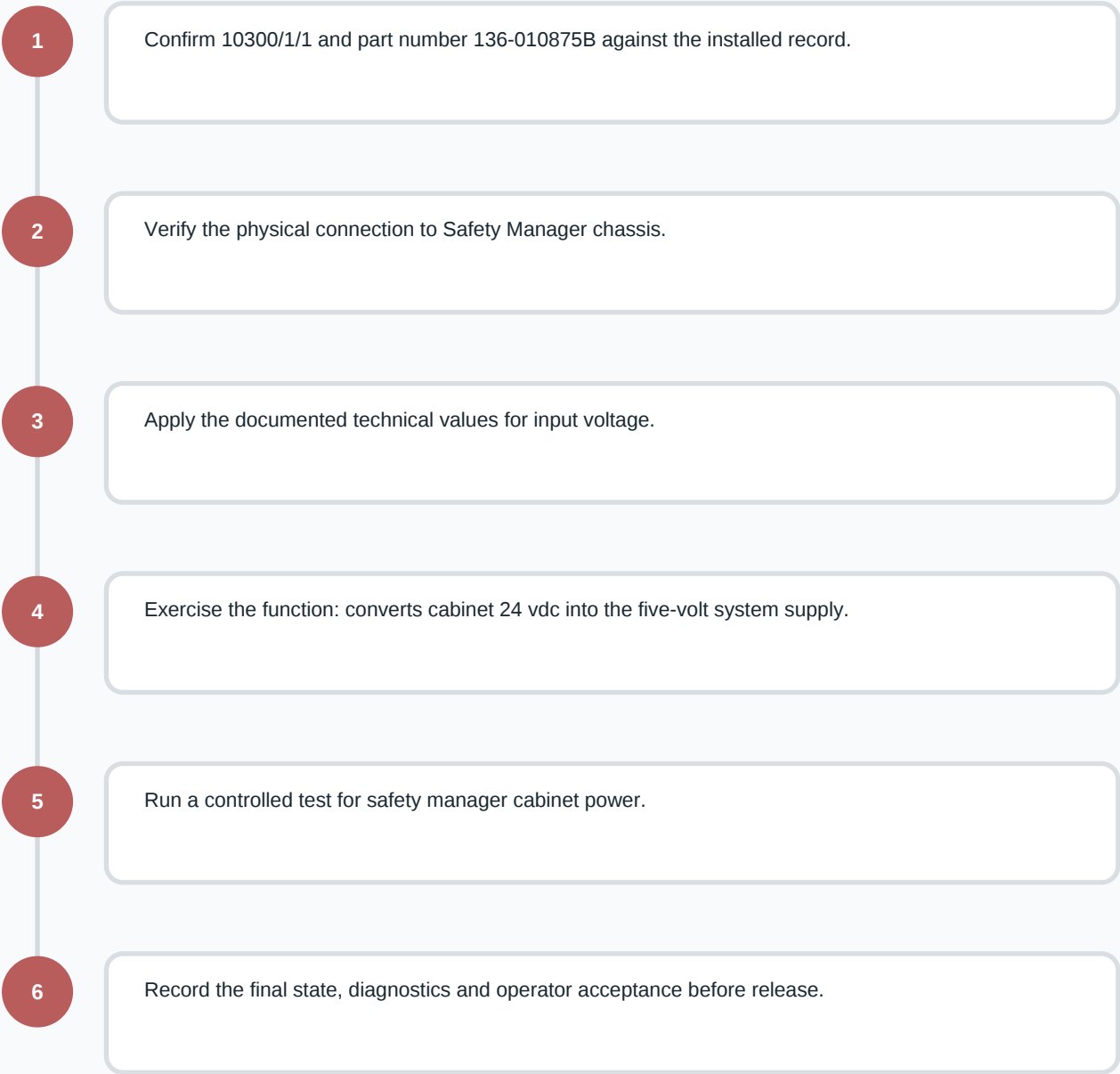
### SYSTEM CONNECTION RECORD

| CONNECTION ITEM            | DOCUMENTED ASSIGNMENT                                    |
|----------------------------|----------------------------------------------------------|
| Installed host / carrier   | Safety Manager chassis                                   |
| Companion hardware         | 24 Vdc cabinet feed                                      |
| Field connection           | Five-volt distribution path                              |
| Primary system function    | Converts cabinet 24 Vdc into the five-volt system supply |
| Controlled acceptance duty | Safety Manager cabinet power                             |

#### FIELD NOTE

Isolate the 24 Vdc feed, confirm converter position and polarity, then measure the five-volt rail under controlled load before re-enabling dependent chassis modules.

### 03 COMMISSIONING WORKFLOW



#### COMMISSIONING ACCEPTANCE EVIDENCE

| EVIDENCE ITEM      | ACCEPTANCE CONDITION                                     |
|--------------------|----------------------------------------------------------|
| Identity           | 10300/1/1 / 136-010875B recorded                         |
| Physical interface | Safety Manager chassis                                   |
| Companion check    | 24 Vdc cabinet feed                                      |
| Functional proof   | Converts cabinet 24 Vdc into the five-volt system supply |
| Application test   | Safety Manager cabinet power                             |

## 04 RETURN-TO-SERVICE RECORD

- ☐ Restore 10300/1/1 under controlled conditions and review its model-specific diagnostics.
- ☐ Complete a documented functional test for safety manager cabinet power before release.
- ☐ Confirm the intended process response before normal operation.

### VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

### RELATED PRODUCTS ON APTER POWER

| MODEL     | SYSTEM ROLE                          | APTER POWER PAGE                  |
|-----------|--------------------------------------|-----------------------------------|
| 10002/1/2 | FSC control and I/O system module    | <a href="#">Open product page</a> |
| 10005/1/1 | FSC system module                    | <a href="#">Open product page</a> |
| 10012/1/2 | FSC system interface module          | <a href="#">Open product page</a> |
| 10014/F/F | FSC dual RS-232 communication module | <a href="#">Open product page</a> |

### SOURCE IDENTIFIERS

Honeywell Safety Manager Hardware Reference and System HINTS

24 Vdc to 5 Vdc / 12 A converter CC

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