

Apter Power 51202343-001

Installation, Application and Verification Guide

A field guide for connecting and verifying Honeywell 51202343-001, the documented 12-foot power-system alarm cable used with Series-C 24 VDC digital inputs.

1. Product identity and application

Product role	Power-system alarm cable
Documented length	12 feet
System context	20A power-system alarm connection
Input context	Series-C 24 VDC digital-input alarm channels

2. Pre-installation review

- Confirm 51202343-001 and the complete cable marking.
- Verify the target power-system alarm connector and the Series-C 24 VDC DI IOTA.
- Review the cabinet drawing, alarm-channel assignment and terminal-block schedule.
- Confirm the normal alarm-input state and the control strategy used to report alarms.
- Isolate the applicable power and alarm circuits before connecting the cable.

Important

Use the exact installed-system documentation and the applicable Honeywell instructions. Do not transfer wiring, configuration or ratings from a similar model.

3. Installation and application workflow

1	Route the cable without sharp bends, crushing, tension or contact with damaging surfaces.
2	Connect the plug end to the documented alarm connector on the power-system assembly.
3	Terminate the identified twisted pairs at the documented 24 VDC DI IOTA terminals.
4	Verify the required internal/external 24 V connections and secure all terminal hardware.
5	Restore service and test each power-supply and battery alarm indication in the control strategy.

4. Commissioning and verification record

Check	Acceptance point	Record
Identity	51202343-001 and the 12-foot cable application match project records.	Pass / Review
Connector	The cable plug is fully engaged at the documented power-system alarm port.	Pass / Review
Terminations	Alarm pairs are landed on the correct DI channels and terminal screws.	Pass / Review
Configuration	DI blocks and alarm logic use the documented normal input state.	Pass / Review
Functional	Power-supply and battery alarm tests reach the intended operator indication.	Pass / Review

Record equipment identity, technician, date, control-system status and any corrective action in the site maintenance system before closing the work order.

5. Product-specific precautions

1 Do not infer terminal assignments from wire color alone; use the approved Honeywell table.	2 Do not use 51202343-001 for an undocumented power-system or input arrangement.
3 Maintain twisted-pair identification from the connector to the DI terminal block.	4 Keep the cable separated from sources of physical damage and electrical interference.
5 Confirm unused conductors remain isolated as documented.	6 Do not energize until terminal hardware and required 24 V connections are secure.
7 Test each alarm path individually and confirm the normal-state indication afterward.	8 Record final terminal assignments, alarm tests and any cabinet-document updates.

6. Official manufacturer sources

Honeywell Series-C I/O User's Guide	prod-edam.honeywell.com
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Prepared by Apter Power for product identification, installation planning and verification. Always use the current project documentation and the applicable Honeywell instructions for the installed system.

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