



# T3420A

## Regent Analog Input Module

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### INSTALLATION AND COMMISSIONING WORKBOOK

1

IDENTIFY

2

ISOLATE

3

INSTALL

4

VERIFY

# Preparation gate

Complete these checks before disconnecting the installed product.

|   |                                                                           |                          |
|---|---------------------------------------------------------------------------|--------------------------|
| 1 | Confirm the complete T3420A marking and the assigned Regent chassis slot. | <input type="checkbox"/> |
| 2 | Isolate field-loop power before removing the analog termination wiring.   | <input type="checkbox"/> |
| 3 | Record every mode and range jumper position before replacement.           | <input type="checkbox"/> |
| 4 | Verify external 250 ohm shunts for channels configured as current inputs. | <input type="checkbox"/> |

PRE-WORK RECORD

|            |       |                    |       |
|------------|-------|--------------------|-------|
| Work order | _____ | Drawing / revision | _____ |
| Checked by | _____ | Date               | _____ |

## Installation and connection sequence

Set the T3420A mode and range jumpers before installation, then verify the matching termination-block wiring and external 250 ohm current shunts where current inputs are used. Calibrate the installed channel set with the approved extender and test equipment before returning the loop to service.

**05**

Maintain the documented analog reference, shield and grounding scheme.

**06**

Use the approved extender and calibrated source for adjustment work.

**07**

Reload or verify the application scaling for every affected channel.

**08**

Complete zero, span, out-of-range and diagnostic checks before release.

# Commissioning record

Record the controlled checks used to release this exact product.

|                            |             |                         |
|----------------------------|-------------|-------------------------|
| 1. Identity / article      | PASS / FAIL | <div></div> <div></div> |
| 2. Mechanical installation | PASS / FAIL | <div></div> <div></div> |
| 3. Power / wiring          | PASS / FAIL | <div></div> <div></div> |
| 4. Grounding / shielding   | PASS / FAIL | <div></div> <div></div> |
| 5. Configuration           | PASS / FAIL | <div></div> <div></div> |
| 6. Signal response         | PASS / FAIL | <div></div> <div></div> |
| 7. Diagnostics / alarms    | PASS / FAIL | <div></div> <div></div> |
| 8. Final release           | PASS / FAIL | <div></div> <div></div> |

## MODEL-SPECIFIC ACCEPTANCE

Confirm the T3420A article marking, Regent chassis assignment, hardware jumper pattern, termination block, external current shunts, field-loop power, shield grounding, application scaling and calibration record before commissioning.

# Engineering navigation and closeout

Eight different validated product pages for related system planning.

| VALIDATED RELATED ENGINEERING PAGES |                                                   |
|-------------------------------------|---------------------------------------------------|
| 01                                  | <a href="#">MAI32MAD Apter Power product page</a> |
| 02                                  | <a href="#">T8850C Apter Power product page</a>   |
| 03                                  | <a href="#">T8850 Apter Power product page</a>    |
| 04                                  | <a href="#">T8830 Apter Power product page</a>    |
| 05                                  | <a href="#">T8461CX Apter Power product page</a>  |
| 06                                  | <a href="#">T8800 Apter Power product page</a>    |
| 07                                  | <a href="#">T9881 Apter Power product page</a>    |
| 08                                  | <a href="#">T9851 Apter Power product page</a>    |

Navigation links only - not manufacturer evidence for technical parameters.

## MANUFACTURER SOURCE

ICS Regent Analog Input Modules (T3420A, T3420AF) | PD-6023 Issue 1, March 2006 | ICSTT-RM014

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