



# T8442

## Trusted TMR Speed Monitor



### INSTALLATION AND COMMISSIONING WORKBOOK

1

IDENTIFY

2

ISOLATE

3

INSTALL

4

VERIFY

# Preparation gate

Complete these checks before disconnecting the installed product.

|   |                                                                           |                          |
|---|---------------------------------------------------------------------------|--------------------------|
| 1 | Confirm T8442, hardware revision and all three configured speed groups.   | <input type="checkbox"/> |
| 2 | Place each connected machine train and trip circuit in a safe test state. | <input type="checkbox"/> |
| 3 | Verify T8846 SIFTA, T8891 SOFTA and TC-801 cable identities.              | <input type="checkbox"/> |
| 4 | Record probe type, tooth count, scaling, trip and acceleration settings.  | <input type="checkbox"/> |

PRE-WORK RECORD

|            |                      |                    |                      |
|------------|----------------------|--------------------|----------------------|
| Work order | <input type="text"/> | Drawing / revision | <input type="text"/> |
| Checked by | <input type="text"/> | Date               | <input type="text"/> |

## Installation and connection sequence

Install T8442 with the approved T8846 SIFTA, T8891 SOFTA and TC-801 field interface cable, then configure each speed group for its probe type and toothed-wheel data. Validate direction, frequency response, trip setpoints and every shutdown output using controlled rotation or signal simulation.

**05**

Check field and system supplies, returns, shields and grounding.

**06**

Inspect bypasses and overrides and obtain approval before test injection.

**07**

Simulate each speed channel and verify voting and diagnostic behavior.

**08**

Prove every shutdown output and remove test states before service release.

# Commissioning record

Record the controlled checks used to release this exact product.

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

## MODEL-SPECIFIC ACCEPTANCE

Confirm T8442 identity and revision, Trusted chassis, T8846 SIFTA, T8891 SOFTA, TC-801 cabling, probe type, tooth count, speed and acceleration settings, firmware/application versions, bypass status and full trip proof test before commissioning.

# Engineering navigation and closeout

Eight different validated product pages for related system planning.

| VALIDATED RELATED ENGINEERING PAGES |                                                         |
|-------------------------------------|---------------------------------------------------------|
| 01                                  | <a href="#">TC-301-02-15M0 Apter Power product page</a> |
| 02                                  | <a href="#">TC-302-02-4M0 Apter Power product page</a>  |
| 03                                  | <a href="#">TC-303-02-4M0 Apter Power product page</a>  |
| 04                                  | <a href="#">TC-311-02 Apter Power product page</a>      |
| 05                                  | <a href="#">T8830C Apter Power product page</a>         |
| 06                                  | <a href="#">T8431C Apter Power product page</a>         |
| 07                                  | <a href="#">T8403C Apter Power product page</a>         |
| 08                                  | <a href="#">T9110 Apter Power product page</a>          |

Navigation links only - not manufacturer evidence for technical parameters.

## MANUFACTURER SOURCE

Trusted TMR Speed Monitor | ICSTT-RM276I-EN-P (PD-T8442) Issue 10

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