

PRODUCT
DASHBOARD

T3420A

Regent Analog Input Module

ICS Triplex T3420A is a Regent analog input module with selectable differential or single-ended operation. It converts field voltage or current-loop signals for the Regent Safetybus system.

BRAND

ICS Triplex

ORIGIN

USA

HS CODE

8537101190

SHIPS FROM

Xiamen, Fujian, China

Complete public-page information view

Technical data dashboard

Regent Analog Input Module

SAFETYBUS POWER

1.85 load units

INPUT CONFIGURATION

8 differential or 16 single-ended

INPUTS PER GROUP

4 differential or 8 single-ended

RESOLUTION

12 bit

DIFFERENTIAL SCAN TIME

1.8 ms

SINGLE-ENDED SCAN TIME

3.6 ms

VOLTAGE RANGES

0 to 10 V; -10 to 10 V; 1 to 5 V; 0 to 5 V; -5 to 5 V

CURRENT RANGES

0 to 20 mA; -40 to 40 mA; 4 to 20 mA; -20 to 20 mA

CURRENT SHUNT

External 250 ohm resistor

FIELD-LOOP POWER

Not supplied by module

ISOLATION

2500 V minimum

LINE-FREQUENCY REJECTION

60 Hz

Application and support view

Four engineering use cases plus customer-oriented verification questions.

Process transmitter acquisition

Receives engineered process measurements from voltage or current-loop transmitters in a Regent safety system.

Differential sensor measurement

Provides paired input measurement where the project uses differential field signaling.

Multi-channel single-ended monitoring

Concentrates a larger set of referenced analog points in one configured module.

Redundant analog input service

Supports matched module and sensor arrangements used for fault-tolerant analog acquisition.

FAQ SNAPSHOT

1

What is the exact system role of T3420A?

2

Which host, rack or carrier is required for T3420A?

3

What wiring or connector checks apply to T3420A?

4

How is T3420A configured for service?

Related-series navigator

Eight unique and verified Apter Power destinations for this dashboard.

01 T8122 Apter Power product page

02 T9082U Apter Power product page

03 T9431 Apter Power product page

04 TC-215-02-10M5 Apter Power product page

05 TC-215-02-12M5 Apter Power product page

06 TC-301-02-2M0 Apter Power product page

07 TC-301-02-6M5 Apter Power product page

08 TC-301-02-10M0 Apter Power product page

Related pages are navigation aids and are not used as manufacturer parameter sources.

Traceability and commissioning closeout

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.

OFFICIAL MANUFACTURER SOURCE

ICS Regent Analog Input Modules (T3420A, T3420AF)

PD-6023 Issue 1, March 2006 | ICSTT-RM014

ENGINEERING RELEASE NOTE

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.

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