

ABB

YPQ202A YT204001-KB

INSTALLATION & COMMISSIONING GUIDE

ABB YPQ202A YT204001-KB is an I/O interface board used in a TYRAK converter-control assembly, where the YPQ202 board family connects external signals with the control software.

IDENTIFY

ISOLATE

RECORD

INSTALL

PROVE

FIELD NAVIGATION

- 01

ABB D2D160-CE02-11

VIEW ABB D2D160-CE02-11
- 02

ABB 3BHE041343R0102-PCD530-A102

VIEW ABB 3BHE041343R0102-PCD530-A102
- 03

ABB TB850-3BSC950193R1

VIEW ABB TB850-3BSC950193R1
- 04

ABB SPIIT13

VIEW ABB SPIIT13
- 05

ABB 1SFA898111R7000-PSTX170-600-70

VIEW ABB 1SFA898111R7000-PSTX170-600-70
- 06

ABB 1SAP122600R0072-PM5012-T-ETH

VIEW ABB 1SAP122600R0072-PM5012-T-ETH

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Pre-work identity and record

Complete model

YPQ202A YT204001-KB

Manufacturer

ABB

Product family

TYRAK converter-control system

Ordering identity

YT204001-KB

Board designation

YPQ202A

Component type

I/O interface board

System context

ABB TYRAK converter-control assembly

DO NOT ASSUME

Treat the exact YPQ202A and YT204001-KB markings as one article identity. Channel counts, jumper positions, terminal allocation and feedback use must be taken from the installed TYRAK program and project documentation, not from a different YPQ202 application.

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Eight-step field sequence

1

Record both YPQ202A and YT204001-KB markings before removing the board.

2

Isolate the converter and prove every control-power and field-signal circuit de-energized.

3

Photograph and label each connector, terminal group, shield and jumper position before disconnection.

4

Use grounded ESD controls and protect the board edge, contacts and mounted components.

5

Confirm the companion YPQ201 processor, YPR201 memory and installed TYRAK program identity.

6

Do not copy channel assignments or jumper settings from another YPQ202 control program.

7

Restore wiring and board seating exactly, then check converter diagnostics before enabling power circuits.

8

Prove every assigned digital, analog and feedback path and retain the final acceptance record.

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Connection and configuration preservation

RECORD 01 external sensors, commands and actuator circuits

RECORD 02 YPQ202A YT204001-KB I/O interface board

RECORD 03 YPQ201 processor and YPR201 memory

RECORD 04 the installed TYRAK control program

Field evidence checklist

☐

all visible markings

☐

connector keying and orientation

☐

wire and shield labels

☐

mounting and bonding

☐

program or circuit record

☐

pre- and post-work readings

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Commissioning and acceptance

01 VISUAL

Confirm exact identity, seating, mounting, connectors, shields and protective bonding.

02 STATIC

Verify isolated-circuit continuity, insulation and configuration against the controlled record.

03 ENERGIZE

Apply power through the approved controlled sequence while observing diagnostics and abnormal heating.

04 FUNCTION

Prove every assigned signal or control-power path without extending the test beyond the documented system.

05 ACCEPT

Retain the measured result, final configuration, diagnostics and responsible approval.

FINAL RELEASE RECORD

Retain the complete YPQ202A YT204001-KB identity, as-left connections, configuration, controlled test results and release authorization.

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Related products on Apter Power

Navigation links only. Confirm every replacement against the installed article and controlled project record.

- | | | | |
|----|---|----|---|
| 01 | ABB MFDT-01-68566380
VIEW ABB MFDT-01-68566380 | 02 | ABB AF260-30-11-70-1SFL537001R7011
VIEW ABB AF260-30-11-70-1SFL537001R7011 |
| 03 | ABB 1SAP540710R0001-CP6407
VIEW ABB 1SAP540710R0001-CP6407 | 04 | ABB 1SAP120600R0001-PM554-TP
VIEW ABB 1SAP120600R0001-PM554-TP |
| 05 | ABB SDCS-COM-82
VIEW ABB SDCS-COM-82 | 06 | ABB RDCU-12C-3AUA0000036521
VIEW ABB RDCU-12C-3AUA0000036521 |
| 07 | ABB NPOW-62C-64113429B
VIEW ABB NPOW-62C-64113429B | 08 | ABB FEN-31-68978840
VIEW ABB FEN-31-68978840 |
| 09 | ABB FEN-01-68679273
VIEW ABB FEN-01-68679273 | 10 | ABB 3BHE033067R0102-GCC960-C102
VIEW ABB 3BHE033067R0102-GCC960-C102 |
| 11 | ABB 3BHE016011R0002-UNS0118A-Z
VIEW ABB 3BHE016011R0002-UNS0118A-Z | 12 | ABB 3BHE004573R0042-UFC760-BE42
VIEW ABB 3BHE004573R0042-UFC760-BE42 |
| 13 | ABB 1SAP140500R0271-PM585-ETH
VIEW ABB 1SAP140500R0271-PM585-ETH | 14 | ABB 1SAP121200R0071-PM556-TP-ETH
VIEW ABB 1SAP121200R0071-PM556-TP-ETH |
| 15 | ABB 1SAP120800R0001-PM554-RP-AC
VIEW ABB 1SAP120800R0001-PM554-RP-AC | 16 | ABB 1SAP121000R0001-PM564-RP
VIEW ABB 1SAP121000R0001-PM564-RP |
| 17 | ABB RXMVB4-RK251402-AD
VIEW ABB RXMVB4-RK251402-AD | 18 | ABB ICSA04B5-FPR3341501R1042
VIEW ABB ICSA04B5-FPR3341501R1042 |

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