

OK

OK

Panasonic

Search Keyword

**AUTOMATION
CONTROLS**



Search Site

Search Discontinued Products



Sign In / Register

[Products](#) [Downloads](#) [Learn Our Products](#) [Support](#)

[Business](#) > [Industrial Devices](#) > [Automation Controls Top](#) > [FP7 Pulse output units](#) > [AFP7PG02T](#)

[English \(Asia Pacific\)](#)

AFP7PG02T | FP7 Pulse output units



DOWNLOAD

[CAD data](#) [Catalogs](#) [Manuals](#) [Software](#) [HELP](#) [FAQ](#)

[Share](#) [Tweet](#) [G+](#)

[Print This Page](#)



*Photo may vary from actual product.

**RoHS
compliant**

Product Number	AFP7PG02T
Part Number	AFP7PG02T
Product	FP7 Pulse output units
Product name	FP7 Pulse output units

CONTACT US BY EMAIL

Please click your area to select country or region

- Asia-Pacific
- Middle East

BY PHONE

- Singapore **+65-6390-3706**
- India **+91-124-4751300**
- Indonesia **+62-21-252-1616**
- Vietnam **+84-8-3813-4591**
- Thailand **+66-2-693-1870**
- Malaysia **+60-3-2297-6888**
- Philippines **+632-886-6291**
- Turkey **+90-216-681-0400**

[Distributors in Asia-Pacific, Middle East](#)

[FAQ](#)

As of July 16, 2018

Specifications and design of the products are subject to change without notice for the product improvement.

Spec Detail

Item	Specifications
Product Number	AFP7PG02T
Part Number	AFP7PG02T

PERFORMANCE SPECIFICATIONS

Item	Specifications
Output type	Transistor

Performance specifications

Item	Specifications
Occupied points	Each 32 points of I/O

PERFORMANCE SPECIFICATIONS

Item	Specifications
Number of axes controlled	2 axes, independent

Performance specifications

Item	Specifications
Position command:Command units	Pulse (The program specifies whether increment or absolute is used.)
Position command:Max. pulse count	Signed 32 bits (+2,147,483,647 to -2,147,483,648 pulses)
Speed command:Command range	1 pps to 500 kpps (can set in 1 pps)
Acceleration/deceleration command:Acceleration / deceleration	Linear acceleration / deceleration, S acceleration / deceleration

RECOMMENDS

[Introduction to Automation Controls](#)



FEATURES

[A Vital Piece to the EV and HEV Puzzles](#)



[Panasonic Products for Energy Management](#)



[TOUGH for Mobiles](#)



[MID Solutions \(MIPTEC\)](#)



Acceleration/deceleration command:"S" Acceleration / deceleration	Can select from sin curve, secondary curve, cycloid curve and third curve.
Acceleration/deceleration command:Acceleration / deceleration time	0 to 32,767 ms (can set in 1 ms)
Home return:Home return speed	Speed setting possible (changes return speed and search speed)
Home return:Input signal	Home input, near home input, limit input (+), limit input (-)
Home return:Output signal	Deviation counter clear signal
Operation mode	<ul style="list-style-type: none"> - E point control (linear and s acceleration/decelerations) - P point control (linear and s acceleration/decelerations) - Home return operation (home search) - JOG operation (Note 1) - JOG positioning operation - Pulsar input function (Note 2) transfer multiplication ratio (x 1, x 2, x 5, x 10, x 50, x 100, x 500, x 1000) - Real-time frequency change - Infinity output <p>(Note 1) When linear acceleration/deceleration operation is selected, it is possible to change the target speed during operation. (Note 2) Since the pulsar input function and the high-speed counter function use the same pulse input terminal, both functions cannot be used at the same time.</p>
Startup time	0.02 ms, 0.005 ms or 0.001 ms selecting possible (Note) Startup time can be changed using the common memory control code setting. The factory (default) setting is 0.02 ms. Startup time is defined as the time between startup and output of the first pulse.
Output interface:Output mode	1 pulse output (pulse and sign), 2 pulse output (CW and CCW)
High-speed counter function:Countable range	Signed 32 bits (+2,147,483,647 to -2,147,483,648 pulse) (Note) Since the pulsar input function and the high-speed counter function use the same pulse input terminal, both functions cannot be used at the same time.
High-speed counter function:Input mode	Two-phase input, direction distinction input, individual input (with multiplier function mode) (Note) Since the pulsar input function and the high-speed counter function use the same pulse input terminal, both functions cannot be used at the same time.
Other functions	<ul style="list-style-type: none"> - Startup using I/O contact - Built-in limit (+) and limit (-) - With servo ON output
External power supply:Voltage	21.6 to 26.4 V DC
External power supply:Current	50 mA (at 24 V)




COMMON GENERAL SPECIFICATIONS

Item	Specifications
Ambient temperature	0 to +55 degrees +32 to +131 degrees Fahrenheit , at storage: -40 to +70 degrees -40 to +158 degrees Fahrenheit
Ambient humidity	10 to 95 % RH (at 25 degrees 77 degrees Fahrenheit , no condensation), at storage: 10 to 95 % RH (at 25 degrees 77 degrees Fahrenheit , no condensation)
Breakdown voltage	500 V AC for 1 minute
Insulation resistance	100 MOhm or more (at 500 V DC)
Vibration resistance	5 to 8.4 Hz, single amplitude of 3.5 mm 0.138 in, 1 sweep/min. (IEC61131-2); 8.4 to 150 Hz, constant acceleration of 9.8 m/s ² , 1 sweep/min. (IEC61131-2), 10 times each in X, Y, and Z directions
Shock resistance	147 m/s ² or more , 3 times each in X, Y, and Z directions (IEC61131-2)
Noise immunity	1,000 V [p-p] with pulse width 50 ns and 1 micro s (using a noise simulator)
Operating condition	Free from corrosive gasses and excessive dust

INDIVIDUAL GENERAL SPECIFICATIONS

Item	Specifications
Rated voltage range	-
Current consumption	65 mA or less
Net weight	130 g approx.

Accessories (Option)

		
Product Number AFP2801	Product Number AFP2802	Product Number AFP8503
Part Number AFP2801	Part Number AFP2802	Part Number AFP8503
Product name Discrete-wire connector set	Product name Flat cable connector set	Product name Motor Driver I/F Terminal II

[→ More](#)

Applicable Products

[+ Programmable Controllers / Interface Terminal](#)

[↑ Return to top](#)

CONTACT US If you have any questions, please select the option below to contact us or find answers.

[CONTACT BY EMAIL / PHONE](#)

[FIND LOCAL OFFICE](#)

[SEARCH FAQ](#)

[↑ Return to top](#)

Customer Satisfaction Survey Questionnaire

Please help us improve Panasonic Automation Controls website by completing our online survey.

We are always looking to make our website more user-friendly and comfortable for you.

We aim to use feedback positively to improve our website, please give us comments or requests you may have.

Please take a few moments to answer these questions about our website. Thank you.

Easy to understand : yes no

Easy to find the information you need : yes no

Practical for your work : yes no

[▶ Comments about our website.](#)

Customer Satisfaction Survey Questionnaire

Please help us improve Panasonic Automation Controls website by completing our online survey.

We are always looking to make our website more user-friendly and comfortable for you.

We aim to use feedback positively to improve our website, please give us comments or requests you may have.

Please take a few moments to answer these questions about our website. Thank you.

Easy to understand : yes no

Easy to find the information you need : yes no

Practical for your work : yes no

[▶ Comments about our website.](#)

[Home](#) [Business > Industrial Devices > Automation Controls Top > FP7 Pulse output units > AFP7PG02T](#)
[Business > Industrial Devices > Automation Controls Top > FP7 Pulse output units > AFP7PG02T](#)

