

AZ266
PASS/ERROR ADAPTER
Instruction Manual

Yokogawa Digital Computer Corporation

Revision History

Edition	Publication Date	Changes
First edition	Feb 5 th , 2001	Initial publication
Second edition	Mar 29 th , 2001	Notes and Cautions added
Third edition	Aug 10 th , 2001	Notes and Cautions added Dimension changed

Table of Contents

1. OVERVIEW	4
2. FEATURES	4
3. NOTES.....	5
4. DIMENSIONS	6
5. SIGNAL PIN ASSIGNMENT	7
6. SIGNAL DETAILS.....	8
7. CONNECTING TO YOUR TARGET SYSTEM.....	9

1. OVERVIEW

This adapter uses the signal outputted from EXT.KEY of a NET IMPRESS main part and outputs a normal (/PASS) and an error (/ERROR) as a result of programming operation.

It can use for the signal which drives the lamp and buzzer of user equipment with a manufacture line etc.

2. FEATURES

2-1. After the each programming operation end, it output the signal of /PASS or /ERROR (open collector output), and it will be holding until the RESET key is pushed or a user clear signal is inputted. However, when performing programming operation continuously, it is automatically reset before the next programming operation start.

2-2. Followings are programming operation (device function) which is available.

ERASE : After Device Function ends, output PASS or ERROR.

BLANK CHECK : When normal, after Device Function ends, output PASS.
When error, while Device Function ends, output ERROR.
And output /PASS after the Last Address was checked.

PROGRAM : Device Function ends, output PASS or ERROR.

READ : When normal, Device Function ends, output PASS.
When error, while Device Function ends, output ERROR.
And output /PASS after the Last Address was checked.

COPY : After Device Function ends, output PASS or ERROR.

E. P. R : After Device Function ends, output PASS or ERROR.

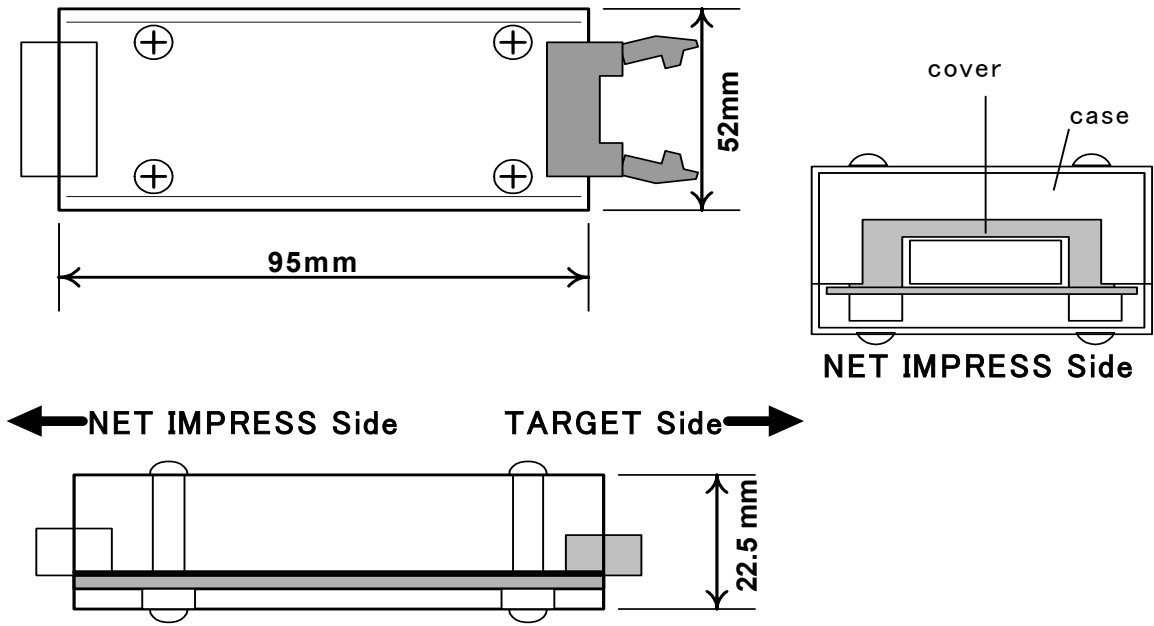
2-3. By the LED display in an adapter, the output state of /PASS and a /ERROR signal can be checked.

2-4. Since the EXT.KEY signal line of a NET IMPRESS main unit is pin-assigned to the User System Connector in this adapter, you can use together an external key input (RES, OAK1, OAK2) function.

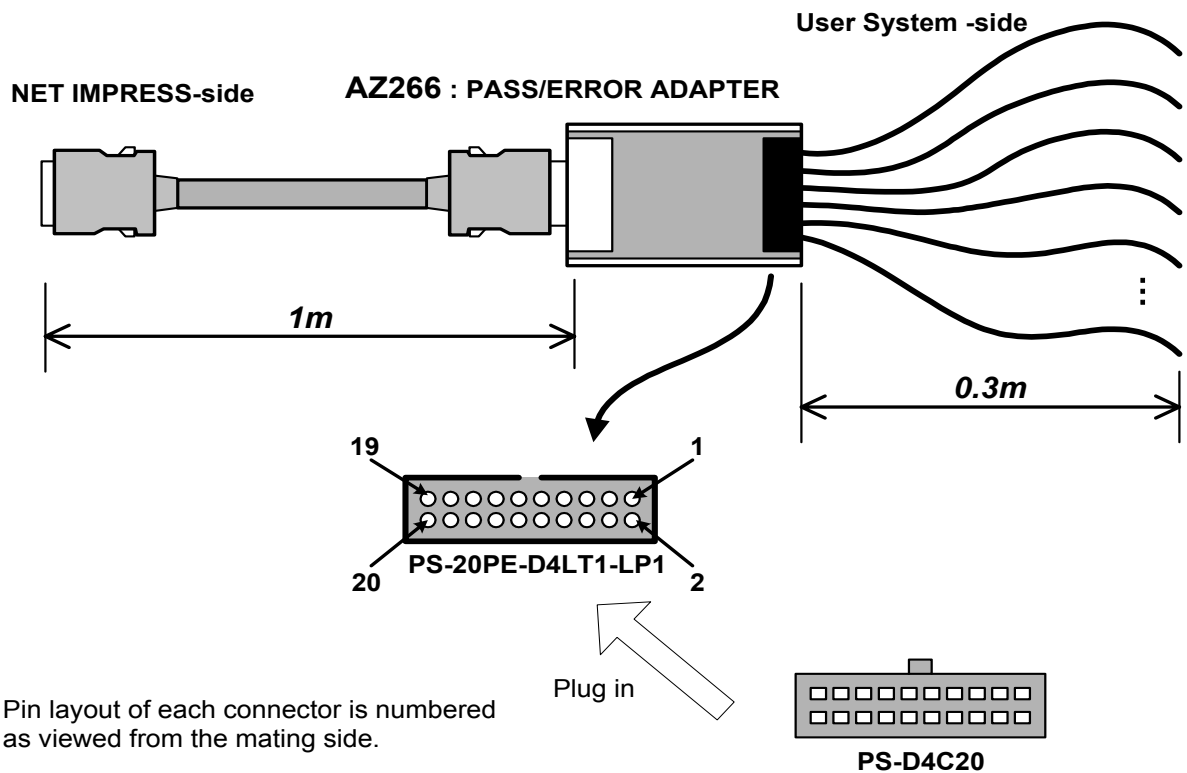
3. Notes

- I. These adapter application models are AF2X0-S2, AF1X0-S2, AF221, AF211, AF121 and AF111. Keep in mind that it cannot use from models other than the above.
- II. Keep in mind that there is a possibility that an adapter may react when communicating between NET IMPRESS and target microcomputers in addition to the device function shown previous page. (ex, Edit, Func 8x or such as F/DF or OAK containing them.)
- III. This adapter judges a normal / error with the buzzer sound of NET IMPRESS. Therefore, keep in mind that it cannot use on NET IMPRESS at the time of a buzzer sound OFF setup (Func 9 1).
- IV. If the RESET key is pushed during device function execution, a judgment of /PASS and /ERROR cannot be made correctly but the following phenomena may occur.
Please take care the RESET key-in in a device function.
 - 1). Output /ERROR in for a moment after RESET key-in.
 - 2). Output /PASS follow outputting /ERROR after RESET key-in.

4. Dimensions



The outside of the AZ266 whole is shown in the following figure.
The tip of a signal line (13) is unsettled.



Pin layout of each connector is numbered as viewed from the mating side.

5. SIGNAL PIN ASSIGNMENT

The pin assignment by the side of a user system (PS-20PE-D4LT1-LP) is shown below.

AZ266 : User System-side Pin Assign

Pin No.	Lead Color	Signal Name	I/O
PS-20PE-D4LT1-LP1			
1	Brown	RES+	-
2	White & Brown	RES-	-
3			-
4			-
5	Green	OAK1+	-
6	White & Green	OAK1-	-
7			-
8			-
9	Yellow	OAK2+	-
10	White & Yellow	OAK2-	-
11			-
12			-
13	Red	VCC	-
14	Red	VCC	-
15	Light Blue	USER_CLR	I
16			-
17	Blue	/PASS	O
18	Orange	/ERROR	O
19	Black	GND	-
20	Black	GND	-

I/O in the pin assignment table by the side of a user system shows the input/output of "the main unit of an adapter" to a user system.

Notes)

Be careful by the user system side for an intact signal line to short-circuit neither with other signal lines nor a metal portion.

6. SIGNAL DETAILS

AZ266 : Explanation of the user system side input-and-output signal of PASS/ERROR ADAPTER is shown below.

("Input/output" is the information about an adapter.)

PIN	Signal Name	Explanation	Voltage/Current	Logic
1	RES+	*2	---	---
2	RES-	*2	---	---
5	OAK1+	*2	---	---
6	OAK1-	*2	---	---
9	OAK2+	*2	---	---
10	OAK2-	*2	---	---
13	VCC	5V Output	5V 100mA(max)	---
14	VCC	5V Output	5V 100mA(max)	---
15	/USER_CLR*1	User Clear Signal Input	5V	LOW Input
17	/PASS *3	PASS Signal When normal, L output.	VOH=20V IOL=40mA	L OW Output
18	/ERROR *3	ERROR Signal When error, L output	VOH=20V IOL=40mA	LOW Output
19	GND	GND	---	---
20	GND	GND	---	---

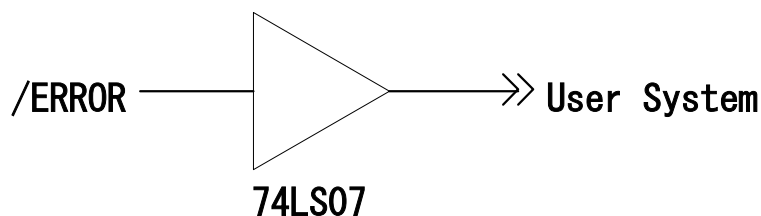
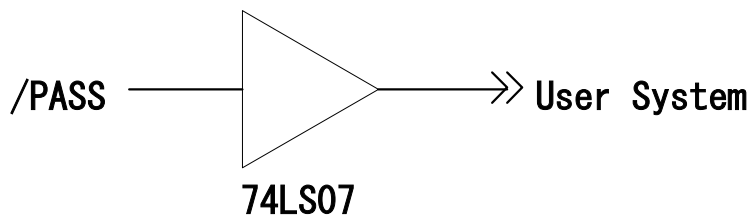
*1 Minimum signal pulse width 200msec of /USER_CLR.

*2 EXT.KEY of NET IMPRESS series.

Please refer to a main unit manual about the definition of EXT.KEY.

*3 /PASS and a /ERROR signal are open collector outputs.

An output circuit is shown below.



7. CONNECTING TO YOUR TARGET SYSTEM

Connection with NET IMPRESS series, AZ266 and a user system is shown in the following figure.

