

## Connection between thermal printer DPU-414 and measuring equipment

When connecting the DPU-414 to various measuring instruments, function settings at the DPU-414 must be changed. The procedure for changing settings is described below. You should also refer to the section "2.4 Function Setting Items" on pages 17 - 19 of the instruction manual for the thermal printer DPU-414.

1. Set the power switch to ON while keeping the ON LINE switch depressed. Hold the switch down until printing starts.
2. When printing starts, release the switch. The current settings are printed out.
3. On the last line, the following query appears.  
Continue? : Push 'On-line SW'  
Write? : Push 'Paper feed SW'  
Press the ON LINE switch to select "Continue".
4. "Dip SW-1" is printed and the function setting mode is enabled. Make the input for the connected measuring instrument by referring to the table below. To choose the "ON" setting, press the ON LINE switch. To choose the "OFF" setting, press the FEED switch. The selected setting is printed out.
5. When the settings for switches 1 - 8 are completed, the unit returns to the state of step 3. Make the settings for "Dip SW-2" and "Dip SW-3" in the same way. When all settings have been made, the following query appears again.  
Continue? : Push 'On-line SW'  
Write? : Push 'Paper feed SW'  
Press the FEED switch to select "Write". The message "DIP SW setting complete!!" is printed, and the setting mode is terminated.

## DIP switch setting example

An example for the printout produced during the DIP switch setting procedure for the integral noise level meter NL-06 is shown below. (The font of the actual printout will be different.)

Continue ? : Push 'On-line SW'  
Write ? : Push 'Paper feed SW'  
Dip SW-1  
1 (OFF) : Input = Serial  
2 (ON) : Printing Speed = High  
3 (ON) : Auto Loading = ON  
4 (OFF) : Auto LF = OFF  
5 (ON) : Setting Command = Enable  
6 (OFF) : Printing  
7 (ON) : Density  
8 (ON) : 100 %

Continue ? : Push 'On-line SW'  
Write ? : Push 'Paper feed SW'  
Dip SW-2  
1 (ON) : Printing Columns = 40  
2 (ON) : User Font Back-up = ON  
3 (ON) : Character Select = Normal  
4 (ON) : Zero = Normal  
5 (ON) : International  
6 (ON) : Character  
7 (ON) : Set  
8 (ON) : = Japan

Continue ? : Push 'On-line SW'  
Write ? : Push 'Paper feed SW'  
Dip SW-3  
1 (ON) : Data Length = 8 bits  
2 (ON) : Parity Setting = ON  
3 (OFF) : Parity Condition = Even  
4 (OFF) : Busy Control = XON/XOFF  
5 (OFF) : Baud  
6 (ON) : Rate  
7 (ON) : Select  
8 (ON) : = 9600 bps

Continue ? : Push 'On-line SW'  
Write ? : Push 'Paper feed SW'

DIP SW setting complete !!

## DIP switch setting print example

An example for the printout of the completed DIP switch setting for the integral noise level meter NL-06 is shown below. (The font of the actual printout will be different.)

This is printed during steps 1 and 2 described on page 1.

[mDIP SW setting mode]

Dip SW-1

1 (OFF)	:	Input = Serial
2 (ON)	:	Printing Speed = High
3 (ON)	:	Auto Loading = ON
4 (OFF)	:	Auto LF = OFF
5 (ON)	:	Setting Command = Enable
6 (OFF)	:	Printing
7 (ON)	:	Density
8 (ON)	:	100 %

Dip SW-2

1 (ON)	:	Printing Columns = 40
2 (ON)	:	User Font Back-up = ON
3 (ON)	:	Character Select = Normal
4 (ON)	:	Zero = Normal
5 (ON)	:	International
6 (ON)	:	Character
7 (ON)	:	Set
8 (ON)	:	= Japan

Dip SW-3

1 (ON)	:	Data Length = 8 bits
2 (ON)	:	Parity Setting = ON
3 (OFF)	:	Parity Condition = Even
4 (OFF)	:	Busy Control = XON/XOFF
5 (OFF)	:	Baud
6 (ON)	:	Rate
7 (ON)	:	Select
8 (ON)	:	= 9600 bps

DIP switch setting table for various measuring devices

Model	NA-29/29E VA-10 SA-77	
SW-1	1	ON
	2	ON
	3	ON
	4	OFF
	5	ON
	6	OFF
	7	ON
	8	ON
SW-2	1	ON
	2	ON
	3	ON
	4	ON
	5	ON
	6	ON
	7	ON
	8	ON
SW-3	1	OFF
	2	OFF
	3	OFF
	4	OFF
	5	OFF
	6	ON
	7	ON
	8	ON

Model	NL-04/14 NL05/05A NL-15	
SW-1	1	OFF
	2	ON
	3	ON
	4	OFF
	5	ON
	6	OFF
	7	ON
	8	ON
SW-2	1	ON
	2	ON
	3	ON
	4	ON
	5	ON
	6	ON
	7	ON
	8	ON
SW-3	1	ON
	2	ON
	3	OFF
	4	OFF
	5	ON
	6	OFF
	7	OFF
	8	OFF

Model	NA-35	
SW-1	1	OFF
	2	ON
	3	ON
	4	ON
	5	ON
	6	OFF
	7	ON
	8	ON
SW-2	1	OFF
	2	ON
	3	ON
	4	ON
	5	ON
	6	ON
	7	ON
	8	ON
SW-3	1	ON
	2	ON
	3	OFF
	4	OFF
	5	OFF
	6	ON
	7	ON
	8	ON

Model		NL-06/18
		4800 bps
SW-1	1	OFF
	2	ON
	3	ON
	4	OFF
	5	ON
	6	OFF
	7	ON
	8	ON
SW-2	1	ON
	2	ON
	3	ON
	4	ON
	5	ON
	6	ON
	7	ON
	8	ON
SW-3	1	ON
	2	ON
	3	OFF
	4	OFF
	5	ON
	6	OFF
	7	OFF
	8	OFF

Model		NL-06/18
		9600 bps
SW-1	1	OFF
	2	ON
	3	ON
	4	OFF
	5	ON
	6	OFF
	7	ON
	8	ON
SW-2	1	ON
	2	ON
	3	ON
	4	ON
	5	ON
	6	ON
	7	ON
	8	ON
SW-3	1	ON
	2	ON
	3	OFF
	4	ON
	5	OFF
	6	ON
	7	ON
	8	ON

Model		AM-09S
		AM-09T
SW-1	1	OFF
	2	ON
	3	ON
	4	OFF
	5	ON
	6	OFF
	7	ON
	8	ON
SW-2	1	ON
	2	ON
	3	ON
	4	ON
	5	ON
	6	ON
	7	ON
	8	ON
SW-3	1	ON
	2	ON
	3	ON
	4	OFF
	5	ON
	6	OFF
	7	ON
	8	OFF

Model		NA-27 4800 bps	
SW-1	1	OFF	
	2	ON	
	3	ON	
	4	OFF	
	5	ON	
	6	OFF	
	7	ON	
	8	ON	
SW-2	1	ON	
	2	ON	
	3	ON	
	4	ON	
	5	ON	
	6	ON	
	7	ON	
	8	ON	
SW-3	1	ON	
	2	ON	
	3	OFF	
	4	ON	
	5	ON	
	6	OFF	
	7	OFF	
	8	OFF	

Model		NA-27/18 VA-11 9600 bps	
SW-1	1	OFF	
	2	ON	
	3	ON	
	4	OFF	
	5	ON	
	6	OFF	
	7	ON	
	8	ON	
SW-2	1	ON	
	2	ON	
	3	ON	
	4	ON	
	5	ON	
	6	ON	
	7	ON	
	8	ON	
SW-3	1	ON	
	2	ON	
	3	OFF	
	4	ON	
	5	OFF	
	6	ON	
	7	ON	
	8	ON	

Model		VM-64/69	
SW-1	1	OFF	
	2	ON	
	3	ON	
	4	OFF	
	5	ON	
	6	OFF	
	7	ON	
	8	ON	
SW-2	1	ON	
	2	ON	
	3	ON	
	4	ON	
	5	ON	
	6	ON	
	7	ON	
	8	ON	
SW-3	1	ON	
	2	ON	
	3	ON	
	4	OFF	
	5	ON	
	6	OFF	
	7	ON	
	8	OFF	

Model	UV-05 UN-04 VM-82
SW-1	1 OFF
	2 ON
	3 ON
	4 ON
	5 ON
	6 OFF
	7 ON
	8 ON
SW-2	1 ON
	2 ON
	3 ON
	4 ON
	5 ON
	6 ON
	7 ON
	8 ON
SW-3	1 ON
	2 ON
	3 OFF
	4 OFF
	5 ON
	6 OFF
	7 OFF
	8 OFF

Model	VE-20
SW-1	1 OFF
	2 ON
	3 ON
	4 OFF
	5 ON
	6 OFF
	7 ON
	8 ON
SW-2	1 ON
	2 ON
	3 ON
	4 ON
	5 ON
	6 ON
	7 ON
	8 ON
SW-3	1 ON
	2 ON
	3 OFF
	4 OFF
	5 ON
	6 OFF
	7 OFF
	8 ON

Model	VM-52 VM-52A
SW-1	1 OFF
	2 ON
	3 ON
	4 ON
	5 ON
	6 OFF
	7 ON
	8 ON
SW-2	1 ON
	2 ON
	3 ON
	4 ON
	5 ON
	6 ON
	7 ON
	8 ON
SW-3	1 ON
	2 ON
	3 OFF
	4 OFF
	5 OFF
	6 ON
	7 ON
	8 ON

AA-56	
Model	1200 bps
SW-1 1	OFF
2	ON
3	ON
4	OFF
5	ON
6	OFF
7	ON
8	ON
SW-2 1	ON
2	ON
3	ON
4	ON
5	ON
6	ON
7	ON
8	ON
SW-3 1	OFF
2	OFF
3	OFF
4	ON
5	ON
6	OFF
7	ON
8	OFF

AA-56	
Model	2400 bps
SW-1 1	OFF
2	ON
3	ON
4	OFF
5	ON
6	OFF
7	ON
8	ON
SW-2 1	ON
2	ON
3	ON
4	ON
5	ON
6	ON
7	ON
8	ON
SW-3 1	OFF
2	OFF
3	OFF
4	ON
5	ON
6	OFF
7	OFF
8	ON

AA-56	
Model	4800 bps
SW-1 1	OFF
2	ON
3	ON
4	OFF
5	ON
6	OFF
7	ON
8	ON
SW-2 1	ON
2	ON
3	ON
4	ON
5	ON
6	ON
7	ON
8	ON
SW-3 1	OFF
2	OFF
3	OFF
4	ON
5	ON
6	OFF
7	OFF
8	OFF



Model		KE-28B
SW-1	1	OFF
	2	ON
	3	ON
	4	OFF
	5	ON
	6	OFF
	7	ON
	8	ON
SW-2	1	ON
	2	ON
	3	ON
	4	ON
	5	ON
	6	ON
	7	ON
	8	OFF
SW-3	1	OFF
	2	OFF
	3	OFF
	4	ON
	5	ON
	6	OFF
	7	OFF
	8	OFF

Model		KZ-70
SW-1	1	OFF
	2	ON
	3	ON
	4	OFF
	5	ON
	6	OFF
	7	ON
	8	ON
SW-2	1	ON
	2	ON
	3	OFF
	4	ON
	5	ON
	6	ON
	7	ON
	8	ON
SW-3	1	ON
	2	OFF
	3	OFF
	4	ON
	5	OFF
	6	ON
	7	ON
	8	ON

Set the RS-232C mode at the KM-07B/  
KM-07C to "Print A Record"

KM-07B/C	
Model	
SW-1 1	OFF
2	ON
3	ON
4	OFF
5	ON
6	OFF
7	ON
8	ON
SW-2 1	ON
2	ON
3	ON
4	ON
5	ON
6	ON
7	ON
8	OFF
SW-3 1	ON
2	ON
3	ON
4	ON
5	OFF
6	ON
7	ON
8	ON

Set the print mode at the KM-14 to  
"ALL" or "Alr" The setting of SW-3 has  
no effect.

KM-14	
Model	
SW-1 1	ON
2	ON
3	ON
4	ON
5	ON
6	OFF
7	ON
8	ON
SW-2 1	ON
2	ON
3	ON
4	ON
5	ON
6	ON
7	ON
8	OFF
SW-3 1	—
2	—
3	—
4	—
5	—
6	—
7	—
8	—





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