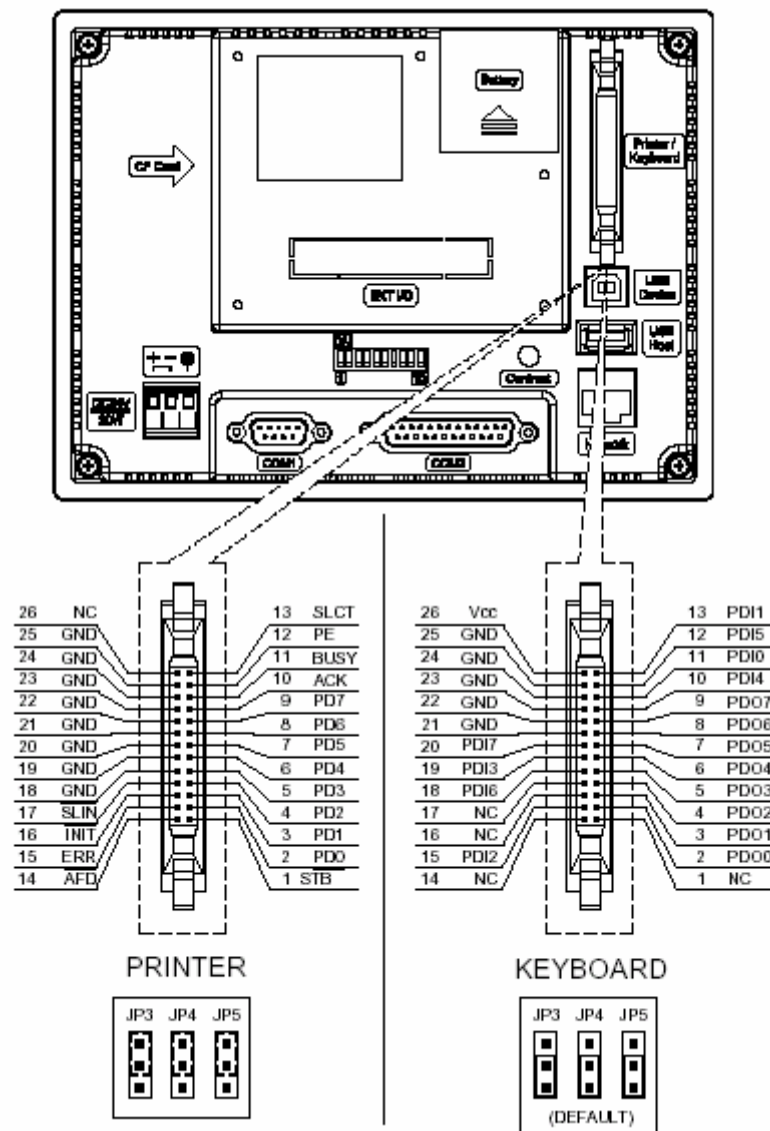


## Appendix B. – PWS6600 External Key (Network and Enhanced model)

A user can operate PWS6600 (Network and Enhanced model) through external key and designs a customized control key panel based on the application required.

### 1. The illustration of wiring

**PWS6600 (Network and Enhanced model)** Printer/Keyboard connector can link with printer or external keyboard. See below. When the connector is linked to external keyboard, a user must notice the position of JP3,JP4 and JP5 jumper (must be set as the factory default position).



Appendix B. -Figure 1. The Illustration of PWS6600 Connection

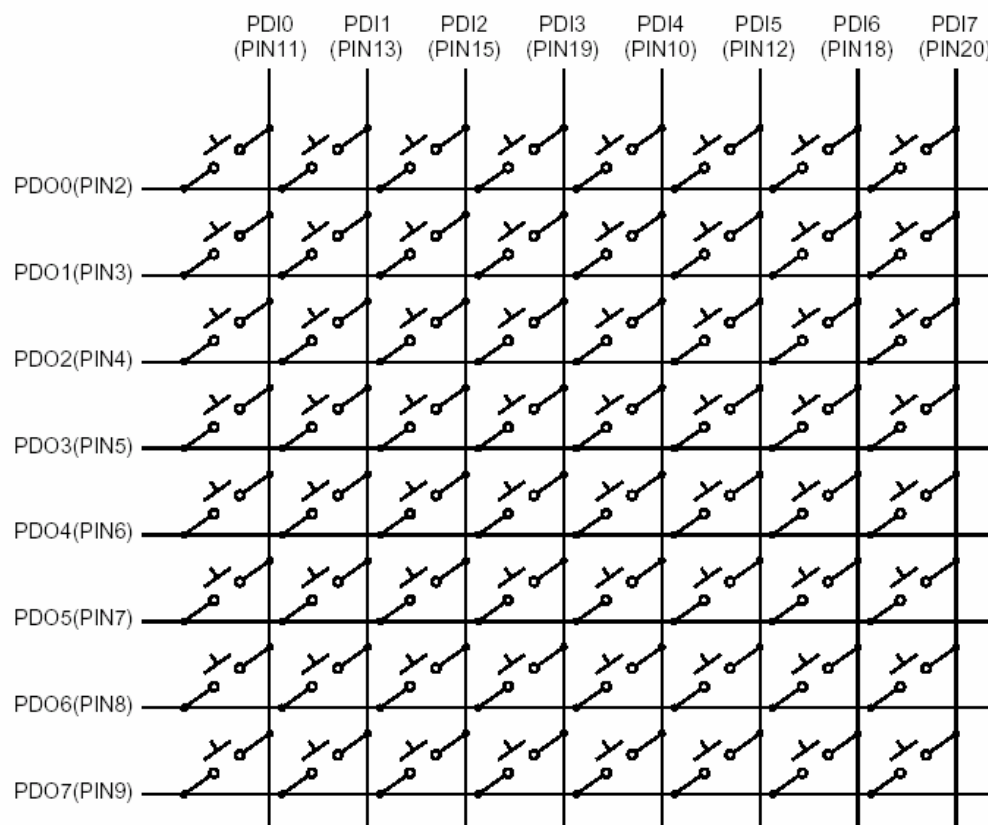
## Appendix B.

When the connector is linked to the external keyboard, the position of JP3, JP4 and JP5 jumper must set as above Figure. Otherwise, the external keyboard can not work normally.

When the connector is linked to the printer (for most printers), the position of JP3, JP4 and JP5 jumper does not need to change. Besides, the connector must be linked to printer through the convert cable (included in package).

## 2. Wiring

The PWS6600 is up to  $8 \times 8 = 64$  external keys. Please adjust the number of external key based on demands. The following Figure is the connection definition for external key.



Appendix B - Figure 2. The Illustration of PWS6600 Wiring

### 3. Definition

In ADP 6.0, K00-K77 keys are defined by the connection order. The following is the mapping table of Keyboard connector and ADP definition. K00-K31 can be defined by user in ADP. K32-K77 are specific functional keys reserved for system.

	<b>PDI0</b>	<b>PDI1</b>	<b>PDI2</b>	<b>PDI3</b>	<b>PDI4</b>	<b>PDI5</b>	<b>PDI6</b>	<b>PDI7</b>
<b>PDO0</b>	K00	K10	K20	K30	K40	K50	K60	K70
<b>PDO1</b>	K01	K11	K21	K31	K41	K51	K61	K71
<b>PDO2</b>	K02	K12	K22	K32	K42	K52	K62	K72
<b>PDO3</b>	K03	K13	K23	K33	K43	K53	K63	K73
<b>PDO4</b>	K03	K14	K24	K34	K44	K54	K64	K74
<b>PDO5</b>	K05	K15	K25	K35	K45	K55	K65	K75
<b>PDO6</b>	K06	K16	K26	K36	K46	K56	K66	K76
<b>PDO7</b>	K07	K17	K27	K37	K47	K57	K67	K77

Appendix B-Figure 3. The Definition of PWS6600's External keys

\* PDO0...PDO7 and PDI0...PDI7 are Keyboard connector.

\* K00...K77 is defined in ADP.

PWS6600 (Network and Enhanced model) reads the commands from the external key by 8 x 8 matrix scan. Due to no protection with some PWS6600 electronic lines, please notice the instruments around. And PWS6600 PCB may be severely damaged by excess noise, static and leakage. Besides, please notice the length of wiring can not exceed 50 cm.

### 4. Reserved keys

In ADP6.0, some functional keys are reserved for system including numeric entry, alarm, historical data scrolling functions...etc. User can use those keys to easily design screen layout. Figure 4 is the definition of K32-K77

1. [Up], [Down], [Left], [Right]: Move the selected object.
2. [0]-[9], [A]-[F], [.] , [-]: Numeric keys.
3. [BS]: Back Space ; [Esc]: Cancel
4. [V..Home], [V..PgUp], [V..Up], [V..Dn], [V..PgDn], [V..End], [H..Home], [H..End]: The scrolling function for alarm and historical object.
5. [CLR]: Clear the alarm and historical data.

	<b>PDI3</b>	<b>PDI4</b>	<b>PDI5</b>	<b>PDI6</b>	<b>PDI7</b>
<b>PDO0</b>		K40	K50	K60	K70

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		7	8	9	V_Home
PDO1		K41	K51	K61	K71
		4	5	6	V_PgUp
PDO2	K32	K42	K52	K62	K72
	H_PgRt	1	2	3	V_Up
PDO3	K33	K43	K53	K63	K73
	H_Rt	.	0	-	V_Dn
PDO4	K34	K44	K54	K64	K74
	H_Lt	BS	↑	⌞	V_PgDn
PDO5	K35	K45	K55	K65	K75
	H_PgLt	←	↓	→	V_End
PDO6	K36	K46	K56	K66	K76
	ESC	A	B	C	H_Home
PDO7	K37	K47	K57	K67	K77
	CLR	D	E	F	H_End

Appendix B-Figure 4. The Definition of PWS6600's Reserved Keys

## 5. Keyboard Design

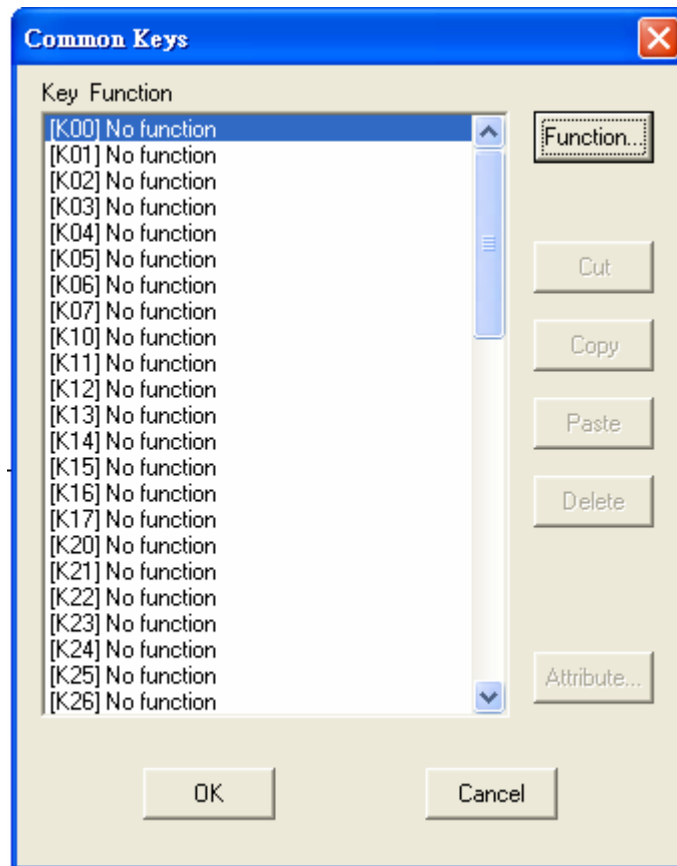
All the PWS6600 external keys can be edited in ADP 6.0. There are two types of external keys provided :

**Note: If a key is defined repeatedly in the same screen, the first priority will be the definition of auxiliary keys .**

### (1) Common Keys

**Common key has the same function on any screens (under auxiliary keys w/o setup condition).** For example, set “K00” as go to the 1st screen; press “K00” on any screen will go to the 1st screen.

If the definition of external keys is common for the ADP application, a user can use [Common Keys] to define its function conveniently instead of repeated definition for each screen. Select [Application]/[Common Keys], the dialog box will offer the functions for the selected model (PWS6600). See below.



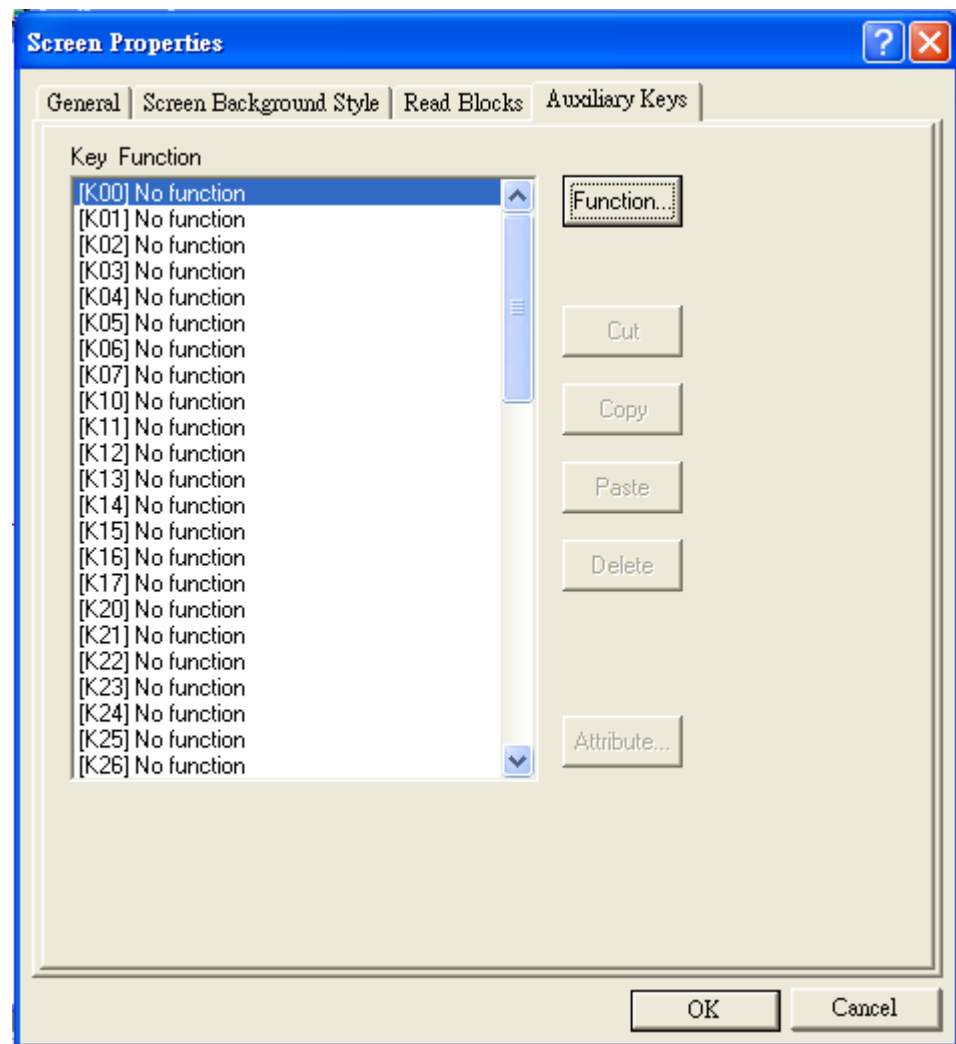
Appendix B-Figure 3. The [Common Keys] Dialog box (PWS6600)

## (2) Auxiliary Keys

**Auxiliary Key is only applicable on the current page.** For example, if K00” is set to go to the page 1 on the page 5, It will go to page 1 by pressing "K00" on page 5 and not for other pages. Auxiliary Key is only applicable on the current screen.

To design external keys only applicable on the current screen, a user must use [Auxiliary Keys] on the screen. Select [Screen] / [Properties], it will offer the functions for the selected model (PWS6600) in the [Auxiliary Keys] tab. See below.

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Appendix B-Figure 4. The [Auxiliary Keys] Dialog Box (PWS6600)