Service Bulletin   [1990-4]

T-30 Plant Floor Terminal Set-Up Information

INTRODUCTION

The T-30 Plan Floor Terminal is a graphics display unit which interfaces with Besser's PLC-2 Programmable Controller. The graphics unit is comprised of three parts (*see Figure 1*):

- ➤ T-30 Plant Floor Terminal
- ➤ Communication Cable
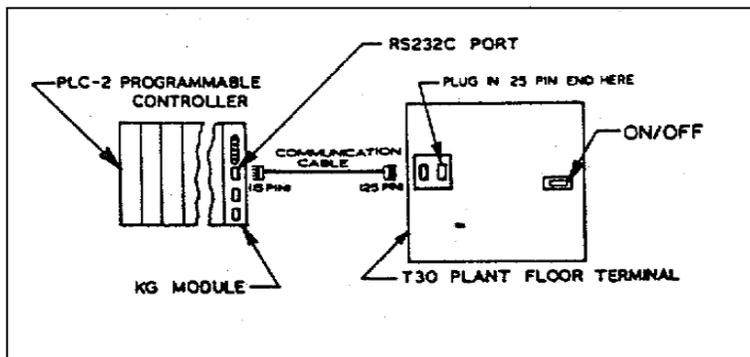- ➤ PLC-2 KG Communication Module

Fig. 1

IMPORTANT

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1. **NEVER** use a pencil to toggle switches – use a paper clip.
2. **ALWAYS** shut power off before setting switches.
3. To make sure the switch is fully tripped, listen for the "click" it makes as you push it down.
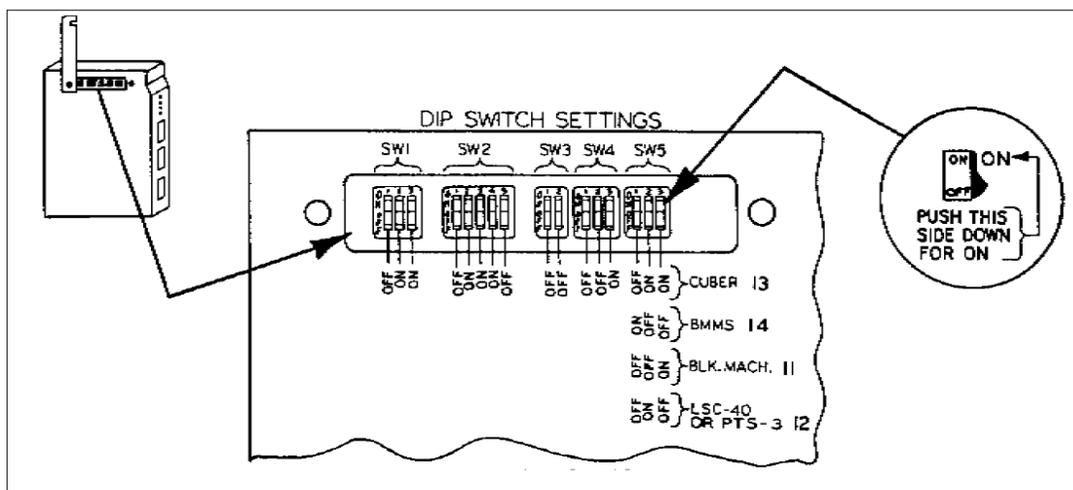

Fig. 2

Configuring The KG Communication Module

The KG communication module resides in the PLC-2 rack. It has a bank of dip switches that must be set according to Figure 2. To access the dip switches, loosen both screws on the side panel that hold the flip plate in place. The flip plate is slotted so that it can be opened without removing it from the module.

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Configuring the Communication Cable

The communication cable electrically connects the PLC-2 controller with the graphics display unit. The cable wires and connections should be configured as shown in Figure 3.
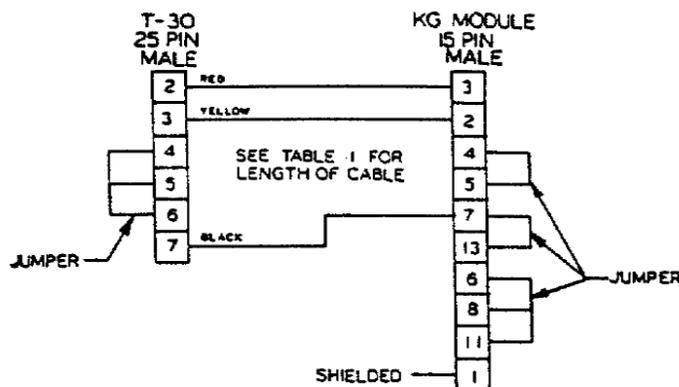

Fig. 3

Configuring the Graphics Display Unit

The display unit must be configured as shown in Figure 4. These configuration menu screens can be brought up on the terminal by:

➢ First turning on the electric power to the terminal by turning ON the electrical power switch located on the back of the unit.

➢ Then simultaneously pressing the F1 and →right arrow keys.

T30 CONFIGURATION
(F1 & Right Arrow Key to Start)

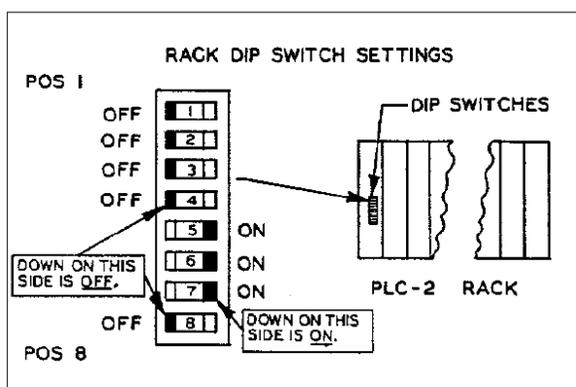| SERIAL PORT CONFIG.	DATA HIGHWAY PORT CONFIG	MISC. CONFIG.
3 Baud	6 Baud	0 Underline Cursor
0 Parity	0 No parity	0 Pop Scroll
0 Disabled	6 Ack Timeout Valve	? 50 or 60 Hz
1 8 Data Bits	30 Response Timeout Valve	0 Unlock Keypad
1 Full Duplex	0 Foreground Mode	0 Data Register in Ram
1 Handshaking Enabled	010 Station	1 12 Hr. Clock
1 RTS/CTS Handshaking		0 Do Not Add Linefeeds
0 Don't Echo		1 Process All Serial Data
		1 3 X 10 Keyboard
	Type in 50 or 60	*001 Start-Up Program
		0 No. of Extra Registers
		0 No. of Status Lines
	Type in the Year, Month, Day and Hour	?? Year
		?? Month
		?? Day
		?? Hour (Military)

* 006 For Besser-Matic

Fig. 4

Fig.5

Configuring the PLC-2 Rack

Another point of interest concerning the PLC-2 rack is the back plane dip switches. These 8 dip switches must be positioned as shown in Figure 5.

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SAFETY BULLETIN

This notice is issued to advise you that some previously accepted shop practices may not be keeping up with changing Federal and State Safety and Health Standards. Your current shop practices may not emphasize the need for proper precautions to insure safe operation and use of machines, tools, automatic loaders and allied equipment and/or warn against the use of certain solvents or other cleaning substances that are now considered unsafe or prohibited by law. Since many shop practices may not reflect current safety practice and procedures, particularly with regard to the safe operation of equipment, it is important that you review your practices to ensure compliance with Federal and State Safety and Health Standards.

IMPORTANT

The operation of any machine or power-operated device can be extremely hazardous unless proper safety precautions are strictly observed. Observe the following safety precautions:

ALWAYS:

- ✓ Be sure proper guarding is in place for all pinch, catch, shear, crush, and nip points.

- ✓ Be sure that all personnel are clear of the equipment before starting it.

- ✓ Be sure the equipment is properly grounded.

- ✓ Turn the main electrical panel off and lock it out in accordance with published lockout/tagout procedures prior to making adjustments, repairs, and maintenance.

- ✓ Wear appropriate protective equipment such as safety glasses, safety shoes, hearing protection, and hard hats.

- ✓ Keep chemical and flammable material away from electrical or operating equipment.

- ✓ Maintain a safe work area that is free from slipping and tripping hazards.

- ✓ Be sure appropriate safety devices are used when providing maintenance and repairs to all equipment.

T-30 Plant Floor Terminal Set-Up Information

<u>NEVER</u>:

- ✓ Exceed the rated capacity of a machine or tool.

- ✓ Modify machinery in any way without prior written approval of the Besser Engineering Department.

- ✓ Operate equipment unless proper maintenance has been regularly performed.

- ✓ Operate any equipment if unusual or excessive noise or vibration occurs.

- ✓ Operate any equipment while any part of the body is in the proximity of potentially hazardous areas.

- ✓ Use any toxic flammable substance as a solvent cleaner.

- ✓ Allow the operation or repair of equipment by untrained personnel.

- ✓ Climb or stand on equipment when it is in operation.

It is important that you review Federal and State Safety and Health Standards on a continual basis. All shop supervisors, maintenance personnel, machine operators, tool operators, and any other person involved in the setup, operation, maintenance, repair or adjustment of Besser-built equipment should read and understand this bulletin and Federal and State Safety and Health Standards on which this bulletin is based.

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