How to Programme HMI HITECH Model WPS6600S-S

For programming of HMI we need the following items
HITECH Model WPS6600S-S
POWER SUPPLY 24 V DC
Communication Cable
Programming Software ADP-6

Method

1- Install Programming Software ADP-6 on your Laptop/Desktop
2- Connecte 24V dc to HITECH Model WPS6600S-S
3- Connecte HITECH Model WPS6600S-S to your **Laptop or Desktop** through a Communication Cable explain following.

(a) You can use a **USB to RS-232 converter** cable with another Cable provided Male & Female Dshell 9 Pin connector on both ends

(b) This is a cross connection cable means female Pin No.2 is connected to male Pin No,3 & female Pin No.3 is connected to male Pin No,2 pin no.5 is common to both means female Pin No.5 is connected to male Pin No,5

Female end of Dshell 9 Pin connector will connect with USB Converter Cable Male Dshell 9 Pin connector & other end of this cable Male Dshell 9 Pin connector will connect with HMI COM PORT-1.

Cable Cross Connection Details

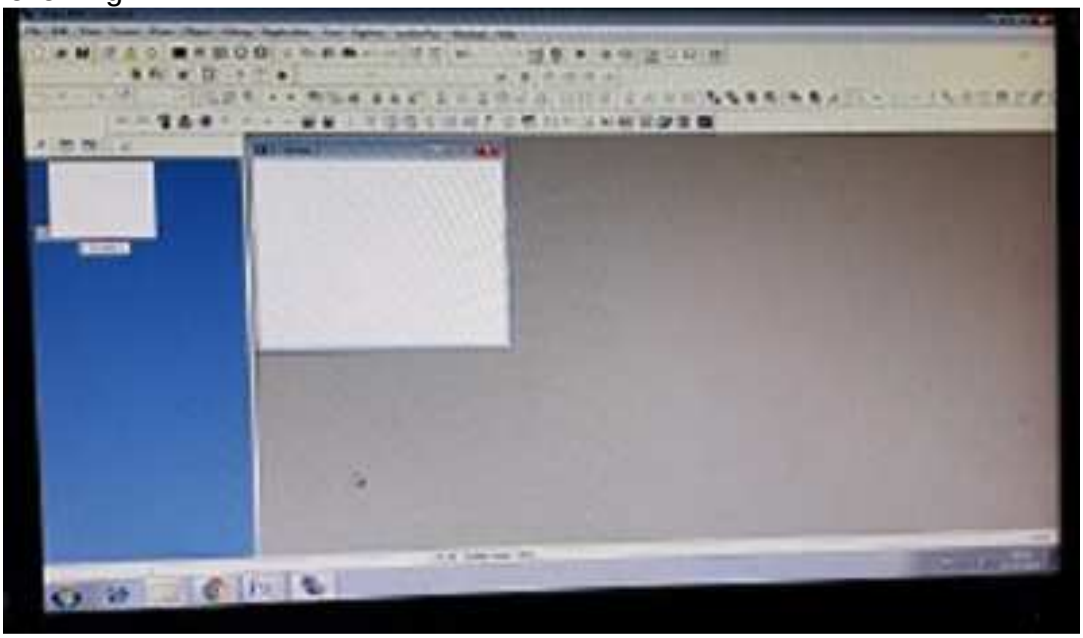
Female Dshell 9 Pin connector		Male Dshell 9 Pin connector	
1	Nil	1	Nil
2	**Red**	**3**	**Green**
3	**Green**	**2**	**Red**
4	Nil	4	Nil
5	**Black**	**5**	**Black**
6	Nil	**6**	Nil
7	Nil	**7**	Nil
8	Nil	**8**	Nil
9	Nil	**9**	Nil

USB TO RS-232 CONVERTER CABLE

CROSS CONNECTION CABLE

(c) A Dshell 9 Pin both end communication cable is also required for communication between HMI & PLC

4- Now Run ADP software on your PC and proseed step by step as explain following.:-



1. Click on Main Menu **File** then click on Sub Menu **New**
2. Type **Application Name** in space provided
3. Click on **Panel/ Workstation** & select **PWS6600S** from droop Menu
4. Click **Controller/PLC** & select **PLC as you reequired** from droop Menu
5. Select **Port/method used for connection**--- select **COM1**
6. Click **Ok**
7. Now Start your designing work as space provided on screen of adp6 software

(a) Click & Select ON Button & draw a square on the white screen
(b) Click & Select OFF Button & draw a square on the white screen
(c) Click & Select Indicator Lamp & draw a square on the white screen
(d) Now double click on **ON Button** first squire
ID=BTN00001
Variable
Click droop menu of Write
Type in space **Addr/Value** as **1000**
Click on **OK** the again Click on **OK**
(e) Now double click on **OFF Button** second squire
ID=BTN00002
Variable
Click droop menu of Write
Type in space **Addr/Value** as **1000**
Click on **OK** the again Click on **OK**
(f) Now double click on **Indication Lamp** thired squire
ID=MI00003
Variable
Click droop menu of Write
Type in space **Addr/Value** as **1000**
Click on **OK** the again Click on **OK**
(g) Click on Text you will see **0 & 1** on screen
(h) Select **0** and then Click go bottom white screen

(i) Type **OFF**
(j) Select **1** and then Click go bottom white screen
(k) Type **ON**
(l) Click on **OK** to finish
(m) Save you work
(n) Now main Menu select **Application**
(o) In sub Menu select **Compile**
(p) Wait then click on **OK**
(q) Now main Menu select **Tool**
(r) In sub Menu select **Off line simulation**
(s) You will get following screen

(t) Now click on **first squire** & click on **second squire** to see the indication Lamp **on/off** condition

WS6600 Installation

1.11 Dip Switches

Dip Switches		Function
SW 1		Reserved
SW 2		Reserved
SW 3	SW 4	Operation Mode
ON	ON	Runs user application
ON	OFF	Runs burn-in test program
OFF	ON	Updates BIOS
OFF	OFF	Runs bench test program
SW 5		Communication Parameters
ON		The HMI uses parameters defined on the Configuration Screen for controller communications
OFF		The HMI uses parameters defined in ADP for controller communications
SW 6		Password
ON		The HMI asks the operator to enter a password after power-on self-test
OFF		No password is required to start the HMI
SW 7		System Menu
ON		The HMI displays System Menu
OFF		The HMI runs user application without displaying System Menu
SW 8		Default user level
ON		The default user level is set to 1 if the HMI requires no password to start its operation
OFF		The default user level is set to 9 if the HMI requires no password to start its operation
SW 9		COM 1 Port
ON		For RS485 this switch has to be set ON
SW 10		COM 2 Port
ON		For RS485 this switch has to be set ON
OFF		For RS422 this switch has to be set OFF

(u) Now connect your PLC with HMI

THE END