

How to Send Settings from a .p2k File to a PCD

During commissioning of a PCD, Application Settings must be sent to and verified in the PCD. Settings Files can easily be imported and sent to the PCD using the WinPCD "Transmit All" function. The transmitted or actual settings in the PCD can be received and easily viewed page-by-page via the WinPCD Software. For further details on this, please reference a separate document called "<u>How to Receive and View</u> <u>Settings from the PCD</u>". Oscillographic Settings can be uploaded, reference the "<u>How to Turn On the</u> <u>Oscillographic Function in the PCD</u>" document for more information.

Precautions

- 1. During commissioning make sure the VR-3S is bypassed.
- 2. Press the Ground Block pushbutton (the associated LED is lit) until all three Phases are closed in.
- 3. In order for the PCD to receive Oscillographic Settings from a file, the settings must be transmitted separately.

Instructions

1. Detach and store the .p2k Settings File in the desired folder. The WinPCD T2 folder is used in this case.



ABB Inc.

March 6, 2003

| 655 Century Point | Telephone | Fax | www.abb.com/mediumvoltage | Instructions |
|---------------------|--------------|--------------|---------------------------|-------------------------|
| Lake Mary, FL 32746 | 407-732-2000 | 407-732-2161 | | 1VAL264205-HT Rev. A |



2. From the Enterprise Explorer Screen, select Unit "Import/Export"



3. Select "Import"

| Import/Export | | |
|---------------|-------------------|----------------|
| | Import or Export? | |
| | | |
| | | |
| | | |
| [] | | |
| [Import | <u>E</u> xport | <u>C</u> ancel |
| | | |

| | | ABB Inc. | | |
|---------------------|--------------|--------------|---------------------------|--|
| 655 Century Point | Telephone | Fax | www.abb.com/mediumvoltage | Instructions |
| Lake Mary, FL 32746 | 407-732-2000 | 407-732-2161 | | 1VAL264205-HT Rev. A March 6, 2003 |



4. Select the desired .p2k Settings file and press "Open".

| Import: WinPCDT | 2 Device | | | | | ? × |
|------------------------------------|--|--|-----|---------|-------------------|----------|
| Look jn: | 🔄 WinPCDT2 | | • | + 🗈 💣 🖩 | <u>.</u> | |
| History Desktop My Documents | MDB Support | k | | | | |
| My Computer | File <u>n</u> ame: Files of <u>type</u> : | FPC_REL3.1.p2k WinPCDT2 Configuration (*.p Open as read-only | 2k) | • | <u>O</u> p Car | en incel |

5. Rename the Import File name as required and Select OK.

| Need New Name! | × |
|---|--------|
| ABB_Example exists in database, what do you want the new name to be? | OK |
| | Cancel |
| | |
| Import PCD | |

ABB Inc.

Fax

www.abb.com/mediumvoltage

Instructions

407-732-2000

407-732-2161



6. The Import Process will proceed.

| Generate Database Records for Unit |
|---|
| Generating database records for all unit properties |
| |
| Cancel |
| |
| Import/Export |
| |
| Importing: |
| C:\Program Files\WinPCDT2\FPC_REL3.1.p2k |
| WinPCDT2 |
| |

Device (FPC REL 3.1) imported successfully

7. Once the desired .p2k file is imported, the file can be selected.

| 🐨 WinPCDT2 - Enterprise Expl | orer | | | | _ | |
|---|----------------|-----------|------|-----------|----------|--|
| <u>U</u> nit <u>E</u> dit <u>A</u> bout | | | | | | |
| Name | Catalog Number | Unit Addr | Baud | Comm Port | Firmware | |
| ABB_Example | 8R371041313001 | 001 | 9600 | COM1 | 2.5 | |
| FPC REL 3.1 | 8R371041313001 | 001 | 9600 | COM1 | 2.5 | |
| sample | 8R171041313111 | 001 | 9600 | COM2 | 2.52 | |
| SN.211030 | 8R181041313101 | 001 | 9600 | COM2 | 2.6 | |
| SN.220261 | 8R171041313001 | 001 | 9600 | COM2 | 2.3 | |
| SN.220406 | 8R371041313111 | 000 | 9600 | COM2 | 2.52 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

ABB Inc.

Fax

www.abb.com/mediumvoltage

Instructions

407-732-2000

407-732-2161



8. The subject PCD file needs to be added to the Enterprise Explorer screen Database. Before the Settings file is uploaded to the PCD, it is recommended to copy the file to the PCD file that needs to be updated.
 9. Select Unit "Add" to communicate and download the Settings from the PCD.



10. Press "Autodetect". Name the File if desired, otherwise the Serial # will automatically be added.

655 Century Point Telephone Fax www.abb.com/mediumvoltage Instructions Lake Mary, FL 32746 407-732-2000 407-732-2161 1VAL264205-HT Rev. A

ABB Inc.

March 6, 2003



| Add Unit | | | |
|---------------------------|---------------|---------|----------------|
| <u>N</u> ame: | | | |
| <u>M</u> odel: | PCD-2000-ANSI | • | |
| Control Firmware Version: | 2.6 | ▼ | |
| Catalog Number: | | | <u>S</u> et |
| Autodetect | | Proceed | <u>C</u> ancel |

11. Select "Use Front Port" if the Front Port is being used and press "Proceed".

| Search for Unit | |
|-----------------|--------------|
| Port | COM1 • |
| Baudrate | 9600 |
| Frame | N,8,1 • |
| PCD Address | 1 |
| Protocol | Modbus ASCII |
| Use Front Port | |
| | |
| Proceed | Back |

12. The WinPCD Software will find the subject PCD Unit



ABB Inc. 655 Century Point Telephone Fax www.abb.com/mediumvoltage Instructions 407-732-2000 407-732-2161 1VAL264205-HT Lake Mary, FL 32746

Rev. A March 6, 2003



13. Press "Proceed" and the Settings will be received from the Unit.

| Add Unit | | | |
|---------------------------|-------------------------|----------------|----------------|
| <u>N</u> ame: | SN.220790 | | |
| <u>M</u> odel: | PCD-2000-ANSI | V | |
| Control Firmware Version: | 2.52 | • | |
| Catalog Number: | 8R371041313001 | | <u>S</u> et |
| | | Proceed | <u>C</u> ancel |
| Generate Database Rec | cords for Unit | | |
| Generating data | abase records for all u | nit properties | |
| | | | |

14. PCD Unit (SN.220790) has now been added to the Enterprise Explorer Database.

655 Century Point Telephone Fax www.abb.com/mediumvoltage Instructions Lake Mary, FL 32746 407-732-2000 407-732-2161 1VAL264200

ABB Inc.



| 🚻 WinPCDT2 - Enterprise Explor | er | | | | | ٦× |
|---|----------------|-----------|------|-----------|----------|----|
| <u>U</u> nit <u>E</u> dit <u>A</u> bout | | | | | | |
| Name | Catalog Number | Unit Addr | Baud | Comm Port | Firmware | |
| ABB_Example | 8R371041313001 | 001 | 9600 | COM1 | 2.5 | |
| FPC REL 3.1 | 8R371041313001 | 001 | 9600 | COM1 | 2.5 | |
| sample | 8R171041313111 | 001 | 9600 | COM2 | 2.52 | |
| SN.211030 | 8R181041313101 | 001 | 9600 | COM2 | 2.6 | |
| SN.220261 | 8R171041313001 | 001 | 9600 | COM2 | 2.3 | |
| SN.220406 | 8R371041313111 | 000 | 9600 | COM2 | 2.52 | |
| SN.220790 | 8R371041313001 | 000 | 9600 | COM2 | 2.52 | |
| 514.220100 | 01011041010001 | | | 00112 | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

15. Select Edit "Copy" and copy from the desired Settings Database (FPC REL3.1 to the added Unit (SN.220790)

ABB Inc.

655 Century Point

Telephone

Fax

www.abb.com/mediumvoltage

Instructions

1VAL264205-HT Rev. A March 6, 2003

Lake Mary, FL 32746

407-732-2000



| § | 2 | | - 4 1 1 | | 1 |
|---|---|--|--|--|--|
| WorPCD12 - Entergative D | aplarar | | | | |
| Tiana Configure Ctri+C ARE, Cone Ctri+C ARE, Cone Ctri+C sample SN-211030 SN-220201 SN-220406 | Catalog Number 95371041353001 95371041353001 95171041353011 95181041353101 9517104135301 9517104135301 951371041353111 | Unit Adda 001 001 001 001 001 001 000 | Baut 1 9600 9600 9600 9600 9600 9600 | Conve Port COM1 COM1 COM2 COM2 COM2 COM2 COM2 | Finosen 25 25 25 25 25 23 23 252 |
| 5N 220750 | 84371041313001 | | 9600 | COM2 | 210 |
| | | | | | |
| | | | | | |

16. Press "Copy"

ABB Inc.

Telephone 407-732-2000 Fax

www.abb.com/mediumvoltage

Instructions

1VAL264205-HT Rev. A March 6, 2003

407.73



| Copy Unit | |
|--|--|
| From Unit ABB_Example FPC REL 3.1 sample SN.211030 SN.220261 SN.220406 SN.220790 1. Select a Unit in the 'From Ur 2. Select a Unit in the 'To Unit' 3. Press the 'Copy' button to co | To Unit ABB_Example FPC REL 3.1 sample SN.21030 SN.220261 SN.220406 SN.220790 |
| Сору | <u>C</u> ancel |

17. Select "Yes"

| Full Copy 🔀 |
|--|
| Are you sure you want to do this copy? |
| <u>Y</u> es <u>№</u> o |
| Application Message |
| Copying Complete. |

ABB Inc.

655 Century Point

5

OK

Telephone

Fax

www.abb.com/mediumvoltage

Instructions

1VAL264205-HT Rev. A March 6, 2003

Lake Mary, FL 32746

407-732-2000



18. Select and Double Click On-Line (Database and Unit).

| 🚻 WinPCDT2 - Enterprise Explorer | | | | | |
|---|----------------|-----------|------|-----------|----------|
| <u>U</u> nit <u>E</u> dit <u>A</u> bout | | | | | |
| Name | Catalog Number | Unit Addr | Baud | Comm Port | Firmware |
| ABB_Example | 8R371041313001 | 001 | 9600 | COM1 | 2.5 |
| FPC REL 3.1 | 8R371041313001 | 001 | 9600 | COM1 | 2.5 |
| sample | 8R171041313111 | 001 | 9600 | COM2 | 2.52 |
| SN.211030 | 8R181041313101 | 001 | 9600 | COM2 | 2.6 |
| SN.220261 | 8R171041313001 | 001 | 9600 | COM2 | 2.3 |
| SN.220406 | 8R371041313111 | 000 | 9600 | COM2 | 2.52 |
| SN.220790 | 8R371041313001 | 000 | 9600 | COM2 | 2.52 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |



ABB Inc.

655 Century Point

Telephone

Fax

www.abb.com/mediumvoltage

Instructions

1VAL264205-HT Rev. A March 6, 2003

Lake Mary, FL 32746

407-732-2000



19. Press "Proceed"

| Unit Information | |
|------------------------------|----------------|
| | CN 000700 |
| Name: | SN.220790 |
| Model: | PCD-2000-ANSI |
| Catalog Number: | 8R371041313001 |
| Serial Number: | 220790 |
| CPU Software Version Number: | 2.52 |
| DSP Software Version Number: | 1.2 |
| Front Panel Version Number: | 2 |
| Rear Comm Version Number: | 0 |
| Proce | ed |

20. Press "Back".

| Front Panel | Status |
|------------------------------|--------------------------------|
| Alternate 2 Active | Disabled |
| Alternate 1 Active | Disabled |
| Primary Active | Enabled |
| Reclose Block | Disabled |
| SEF Block | Disabled |
| Ground Block | Disabled |
| Remote Block | Disabled |
| Breaker Status | OPEN |
| | |
| Print | Back |
| Breaker status is based on ! | 52a being Closed and 52b being |

ABB Inc.

407-732-2161

Fax

www.abb.com/mediumvoltage

Instructions



21. From the Main Menu, select "Transmit All Database Values" to Unit.

| Main Menu | |
|---|--------------------------------|
| Name/Model: SN.220549a | Catalog Number: 8R371041313101 |
| Selections Metering Settings Records Operations Test Front Panel Status Waveform Capture Programmable Curves Trip/Close Commands Miscellaneous Commands Power Quality Quick Setup | \$ |
| Iransmit All Database Values to Unit | Detail |
| <u>R</u> eceive All Settings from Unit | Back |

ABB Inc.

655 Century Point

Telephone

Fax

www.abb.com/mediumvoltage

Instructions

Lake Mary, FL 32746

407-732-2000

407-732-2161



22. Select "Yes" at the Application Message

| Applicatio | n Message |
|-----------------|--|
| ? | This will overwrite all unit settings with database values, except for counter, alarm, clock and communication settings. It is recommended that when the unit is initially programmed, use 'Receive All Settings from Unit' to store the factory defaults and scaling factors in the database. |
| | Are you sure you want to proceed? |
| | <u>Y</u> es <u>N</u> o |
| Main Men | |
| Name/Mo | del: SN.220790 Catalog Number: 8R371041313001 |
| | Selections Metering Settings Records |
| | Transmitting Alternate 1 Settings - Protection to unit |
| | |
| | Cancel |
| | |
| <u>I</u> ransmi | All Database Values to Unit Detail |
| <u>R</u> ec | eive All Settings from Unit Back |

ABB Inc.

407-732-2161

Fax

www.abb.com/mediumvoltage

Instructions



23. Press "OK" for Password

| Enter Primary Password | | |
|---|----------------|--|
| Before settings can be sent to the unit, you must enter the primary password. | | |
| Primary Password: | | |
| <u>0</u> K | <u>C</u> ancel | |

24. This completes the **Transmit All Settings** process to the PCD; remember the **Oscillographic Settings must be sent separately.**

| Applicatio | on Message 🛛 🔀 |
|------------|--|
| ٩ | All database values sent successfully to unit. |
| | OK |

25. You will be prompted to set the Clock to your Laptop time if desired. If so, select "Yes" and then "Send to Unit".

| WinPCDT2 |
|--|
| Do you want to set the clock? |
| <u>Y</u> es <u>N</u> o |
| Change Date and Time |
| PC Settings Unit Settings Date: 22 Feb 2003 Time: 15:32:38 |
| Send to Unit> Print Back |

26. Press the "Back" button upon completion.

ABB Inc.



Call 1-800-929-7947 x 5 or +1-407-732-2000 x 2510 for any other questions you may have.

ABB Inc. has made every reasonable attempt to guarantee the accuracy of this document, however, the information contained herein is subject to change at any time without notice and does not represent a commitment on the part of ABB Inc. These instructions do not purport to cover all details or variations in equipment, nor provide for every possible contingency to be met in conjunction with installation, operation or maintenance. Should particular problems arise which are not covered sufficiently, please contact ABB Inc.

ABB Inc.

655 Century Point

Telephone

Fax

www.abb.com/mediumvoltage

Instructions

1VAL264205-HT Rev. A March 6, 2003

Lake Mary, FL 32746

407-732-2000