

## M-7679 R-PAC QUICK REFERENCE GUIDE

PROTECTION, AUTOMATION AND CONTROL SYSTEM FOR RECLOSER, SWITCH, SECTIONALIZER AND ADVANCED DISTRIBUTION AUTOMATION APPLICATIONS.

# Programming Overcurrent Settings using Overcurrent Quick Editor



### Required Tools:

- PC running Windows 10® or higher
- S-7600 IPScom Communications Software

Download the latest **IPScom software** at:

<https://beckwithelectric.com/products/s-7600/>

### Required Documentation:

- M-7679 Instruction Book
- M-7679 Application Guide
- Communications and Cybersecurity A.G.

Download the latest **M-7679 Instruction Book** at:

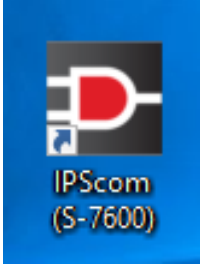
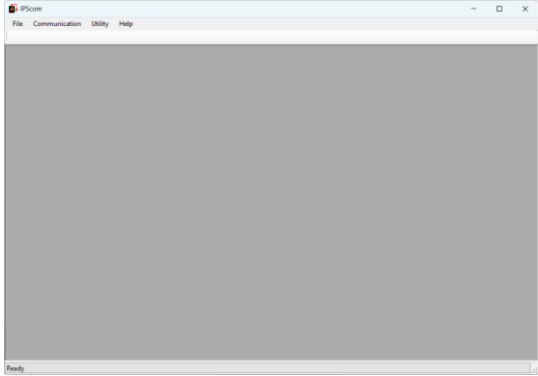
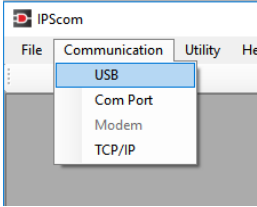
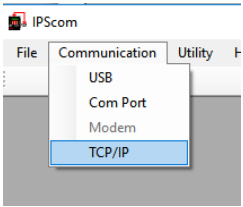
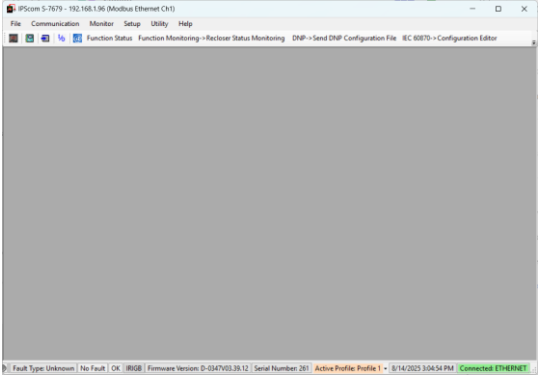
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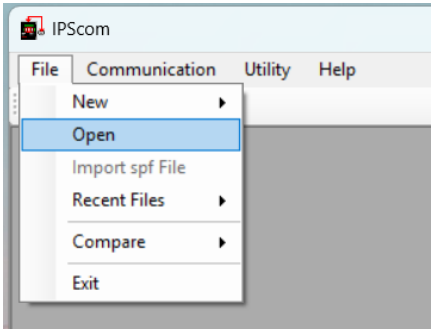
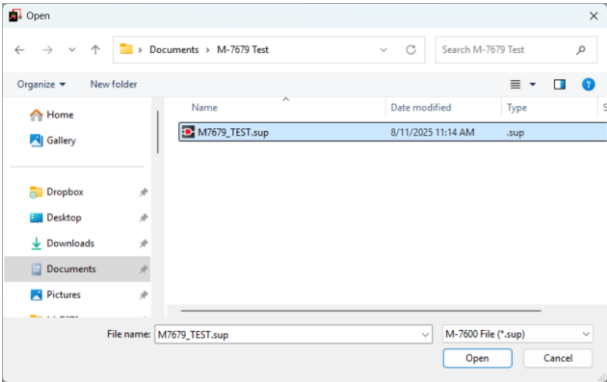
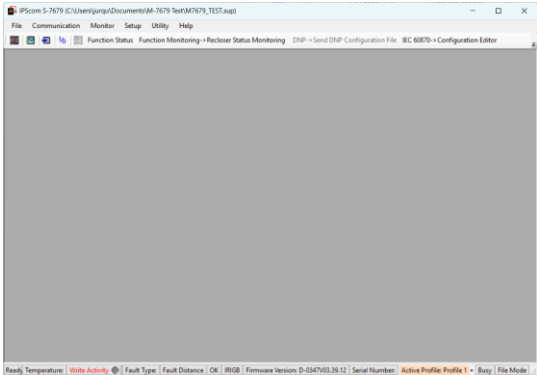
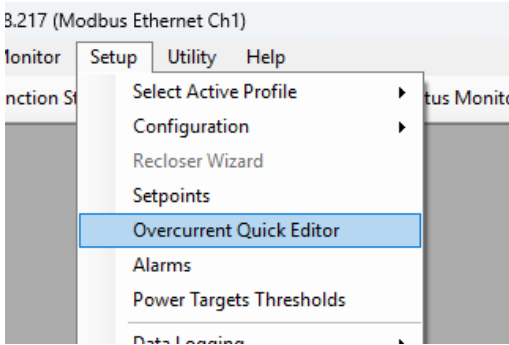


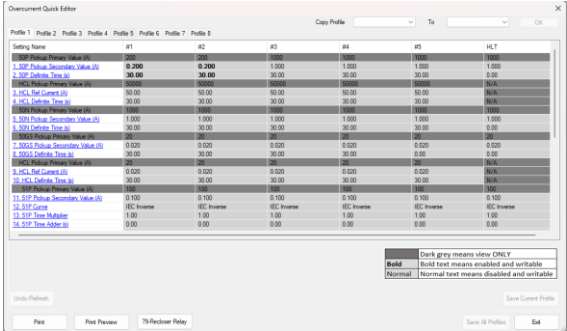
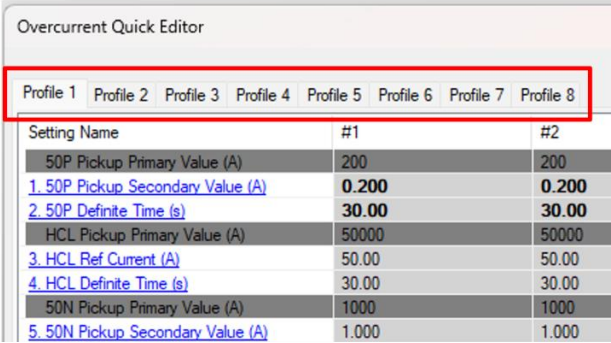
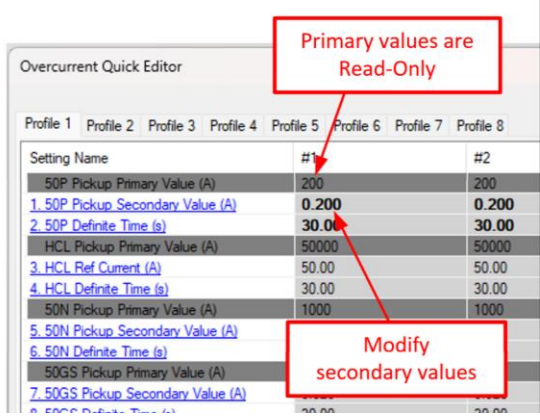
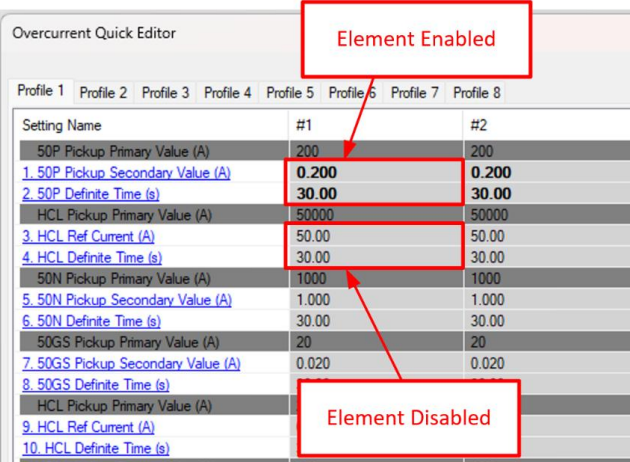
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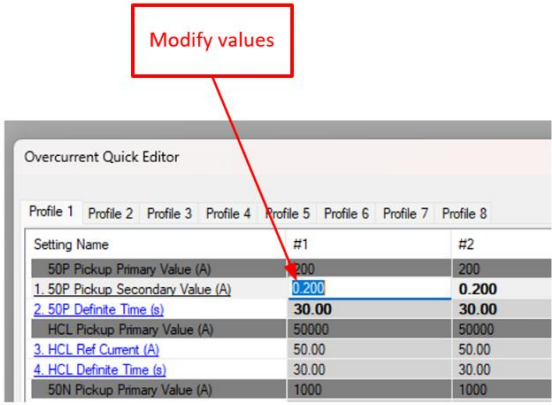
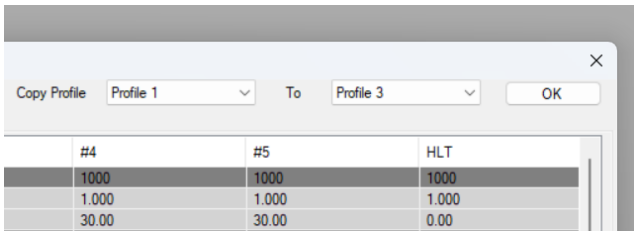
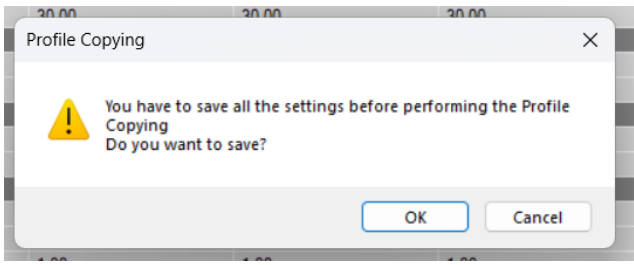
## Programming Overcurrent Settings using Overcurrent Quick Editor

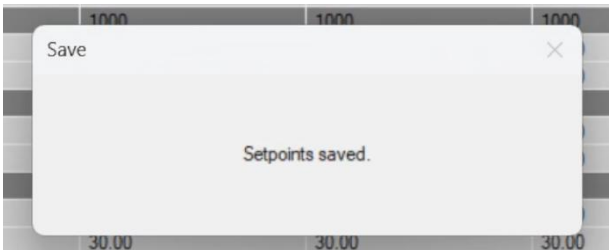
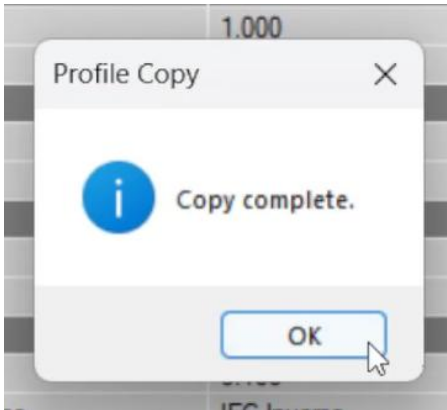
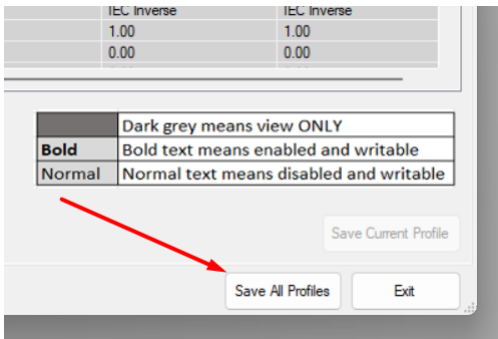
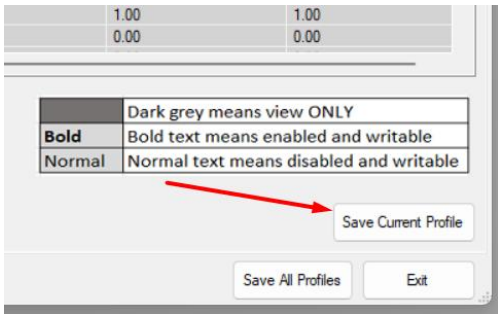
This document guides the user through the process of configuring Overcurrent functions using the Overcurrent Quick Editor (OQE).

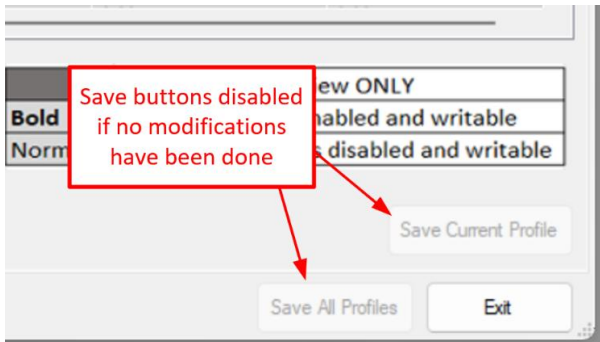
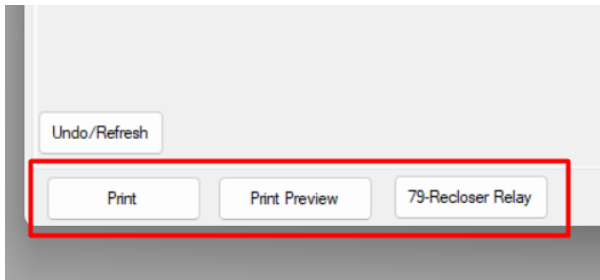
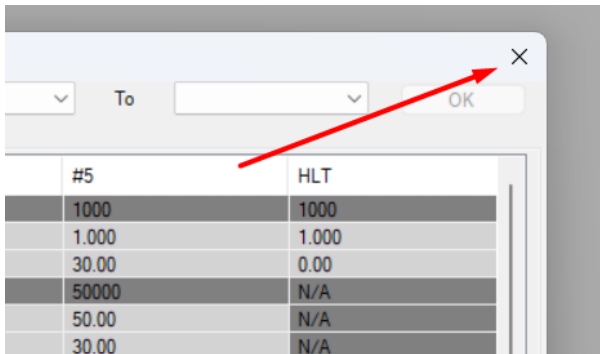
|   |                                                                                                                                                                    |                                                                                                                                                                            |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Start <b>IPScom Software</b> by double-clicking the corresponding shortcut.                                                                                        |                                                                                          |
| 2 | IPScom will display the IPScom <b>Main</b> dialog screen.                                                                                                          |                                                                                          |
| 3 | If the process will be performed while connected to an <b>M-7679 R-PAC</b> unit, establish a connection to the unit using either <b>USB</b> or <b>TCP/IP</b> mode. |   |
| 4 | Once the connection is established, IPScom will display the <b>Connected</b> version of the IPScom main screen. Proceed to Step 8.                                 |                                                                                        |

|   |                                                                                                                                                                   |                                                                                      |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 5 | If the process will be performed without a connection to an <b>M-7679 R-PAC</b> unit, navigate to <b>File &gt; Open</b> to access an existing configuration file. |     |
| 6 | IPScom will display the <b>Open</b> Dialog screen. Find the required <b>.SUP</b> file and select <b>OPEN</b> .                                                    |    |
| 7 | IPScom will display the <b>Not-Connected</b> version of the main screen.                                                                                          |   |
| 8 | Go to <b>Setup / Overcurrent Quick Editor</b> .                                                                                                                   |  |

|    |                                                                                                                                                                                                                                                                                                                         |                                                                                      |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 9  | <p>The Overcurrent Quick Editor provides a single consolidated settings screen for configuring the overcurrent protection functions <b>50P</b>, <b>50N</b>, <b>50G/GS</b>, <b>51P</b>, <b>51N</b>, and <b>51G/GS</b>. These settings are available for each function element (#1 through #5) and for every Profile.</p> |     |
| 10 | <p>Verify that the appropriate <b>Profile</b> tab is selected before proceeding.</p>                                                                                                                                                                                                                                    |    |
| 11 | <p><b>Primary values</b>, shown with dark gray shading, are <b>view-only</b> and cannot be selected or modified. These primary values automatically update when the corresponding <b>secondary value</b> for the element is changed.</p>                                                                                |   |
| 12 | <p>Settings displayed in <b>bold text</b> indicate that the setting is <b>enabled</b>, while settings displayed in <b>normal text</b> indicate that the setting is <b>disabled</b>.</p>                                                                                                                                 |  |

|    |                                                                                                                                                                                                                  |                                                                                                                          |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| 13 | The <b>Setting Name</b> column contains hyperlinks that offer a shortcut to function settings.                                                                                                                   |  <p>Hyperlinks to function settings</p> |
| 14 | To edit a value, click the desired cell, update the value and press <b>Enter</b> .                                                                                                                               |  <p>Modify values</p>                 |
| 15 | The Overcurrent Quick Editor also includes an option to copy overcurrent settings between profiles. To do this, select the origin and destination profiles in the top-right corner of the screen, then click OK. |                                      |
| 16 | IPScorm will display a <b>Profile Copying</b> message, informing the user that the settings must be saved before continuing. Click <b>OK</b> .                                                                   |                                      |

|    |                                                                                                                                                                                                                  |                                                                                      |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 17 | IPScm will display a confirmation message indicating that the setpoints were saved correctly.                                                                                                                    |     |
| 18 | Then, a confirmation message will appear, indicating that the <b>Copy Profile</b> process has been completed. Click <b>OK</b> .                                                                                  |    |
| 19 | Once all overcurrent setting modifications and Copy Profile processes have been completed, the user must select the <b>Save All Profiles</b> button in the bottom-right corner to ensure all settings are saved. |   |
| 20 | If overcurrent setting modifications were made to only one Profile, the user can click the <b>Save Current Profile</b> button to save the new settings for the selected profile only.                            |  |

| 21                | <p>If no modifications have been made, the <b>Save All Profiles</b> and <b>Save Current Profile</b> buttons will be disabled. They become enabled only when the corresponding modifications are made.</p>                                                                                                                                                                                   |  <p>A screenshot of the 'Overcurrent Quick Editor' window. A red box highlights the 'Save All Profiles' and 'Save Current Profile' buttons, which are disabled (grayed out). A red callout box with the text 'Save buttons disabled if no modifications have been done' points to these buttons. Other visible buttons include 'Exit', 'Bold', 'Normal', and 'New ONLY'.</p>                                                                                                                                    |    |     |      |      |       |       |       |      |       |     |       |     |       |     |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----|------|------|-------|-------|-------|------|-------|-----|-------|-----|-------|-----|
| 22                | <p>At the bottom-left corner of the screen, the user has three additional options:</p> <ul style="list-style-type: none"><li>• <b>Print:</b> Prints the overcurrent settings in PDF format.</li><li>• <b>Print Preview:</b> Displays a preview of the overcurrent settings list before printing.</li><li>• <b>79-Recloser Relay:</b> Opens the 79 Recloser Relay settings screen.</li></ul> |  <p>A screenshot of the bottom-left corner of the application window. A red box highlights three buttons: 'Print', 'Print Preview', and '79-Recloser Relay'. Above them is an 'Undo/Refresh' button.</p>                                                                                                                                                                                                                                                                                                       |    |     |      |      |       |       |       |      |       |     |       |     |       |     |
| 23                | <p>After configuring and saving all settings, close the <b>Overcurrent Quick Editor</b> screen to complete the process.</p>                                                                                                                                                                                                                                                                 |  <p>A screenshot of the 'Overcurrent Quick Editor' window showing a table of settings. A red arrow points to the 'X' close button in the top right corner. The table has two columns: '#5' and 'HLT'.</p> <table data-bbox="738 1037 1228 1234"><tr><th>#5</th><th>HLT</th></tr><tr><td>1000</td><td>1000</td></tr><tr><td>1.000</td><td>1.000</td></tr><tr><td>30.00</td><td>0.00</td></tr><tr><td>50000</td><td>N/A</td></tr><tr><td>50.00</td><td>N/A</td></tr><tr><td>30.00</td><td>N/A</td></tr></table> | #5 | HLT | 1000 | 1000 | 1.000 | 1.000 | 30.00 | 0.00 | 50000 | N/A | 50.00 | N/A | 30.00 | N/A |
| #5                | HLT                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |     |      |      |       |       |       |      |       |     |       |     |       |     |
| 1000              | 1000                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |     |      |      |       |       |       |      |       |     |       |     |       |     |
| 1.000             | 1.000                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |     |      |      |       |       |       |      |       |     |       |     |       |     |
| 30.00             | 0.00                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |     |      |      |       |       |       |      |       |     |       |     |       |     |
| 50000             | N/A                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |     |      |      |       |       |       |      |       |     |       |     |       |     |
| 50.00             | N/A                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |     |      |      |       |       |       |      |       |     |       |     |       |     |
| 30.00             | N/A                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |     |      |      |       |       |       |      |       |     |       |     |       |     |
| End of Procedure. |                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |     |      |      |       |       |       |      |       |     |       |     |       |     |

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Scan for quick access to M-7679  
technical literature.



**6190 118th Avenue North**  
**Largo, FL 33773-3724 U.S.A.**



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