



M-7679 R-PAC QUICK REFERENCE GUIDE

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

Download and review Fault Records



Required Tools:

- PC running Windows 7® or higher
- S-7600 IPScom Communications Software

Latest version of IPScom software can be downloaded from:

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

Required Documentation:

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

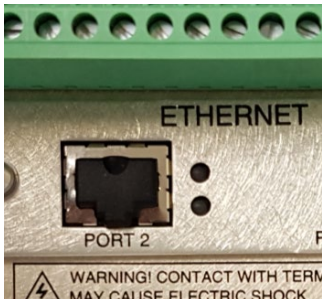
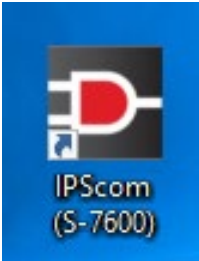
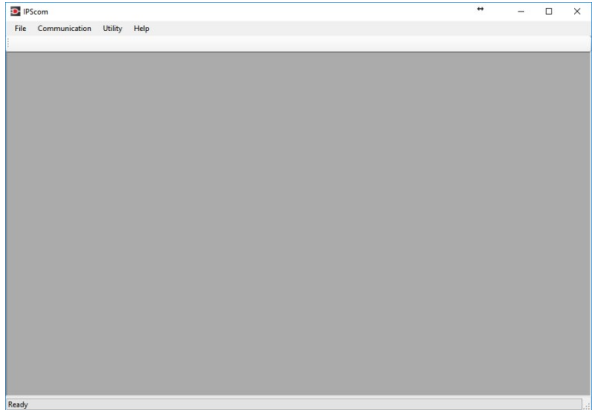
Latest version of M-7679 Instruction Book can be downloaded from:

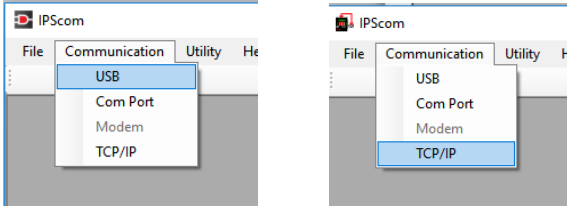
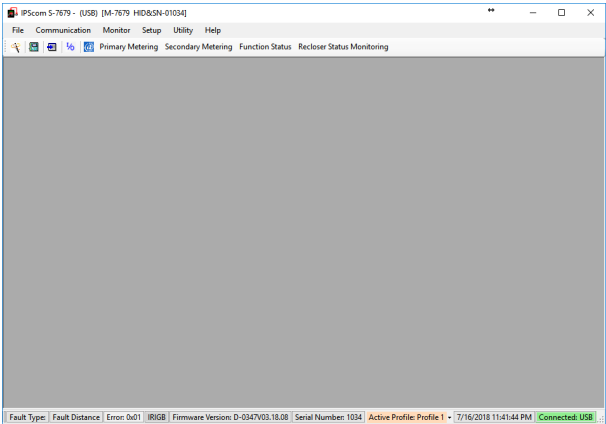
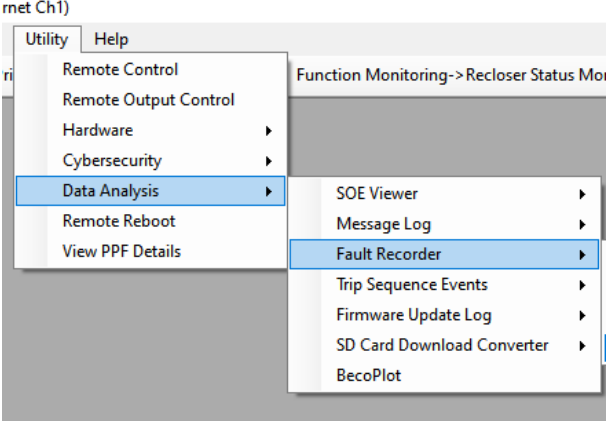
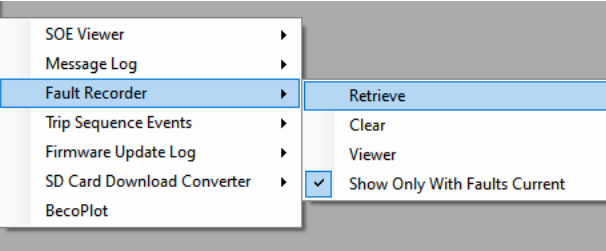
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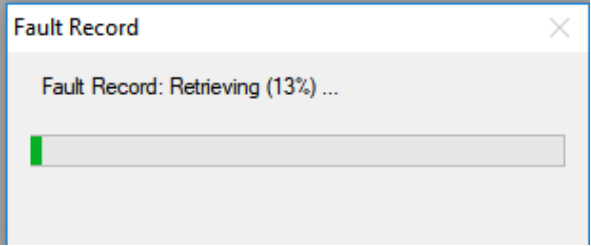
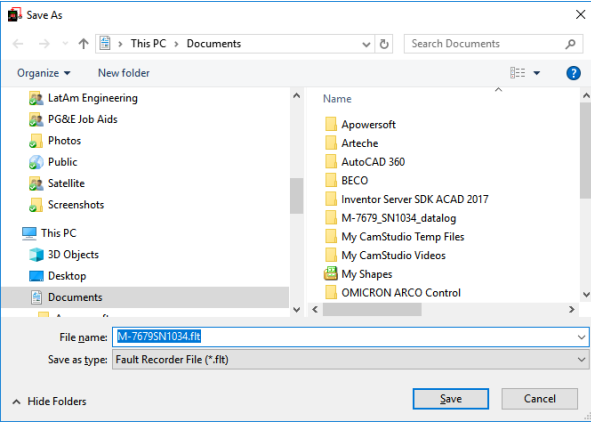
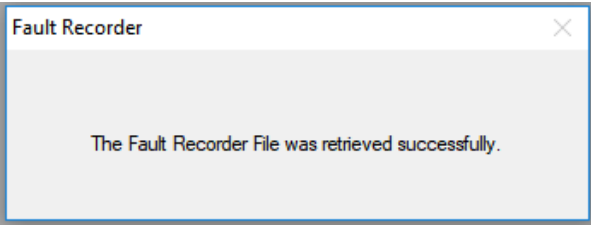
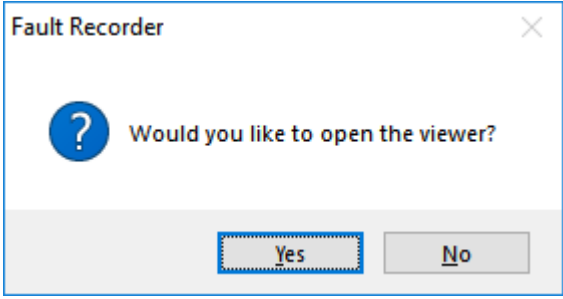


Table of Contents	
Download and review Fault Records	3

Download and review Fault Records

1	Plug the communications cable into the host computer port (Ethernet or USB).	 
2	Ensure the control is energized and plug the corresponding cable into the port on the control.	 
3	Start IPScom Software by double-clicking the corresponding shortcut.	
4	IPScom will display the IPScom Main dialog screen.	

5	Connect to the M-7679 R-PAC using USB or TCP/IP modes.	
6	Once the connection has been established, IPScm will display the connected version of the IPScm Main Screen .	
7	The Fault Recorder submenu can be found in Utility / Data Analysis / Fault Recorder . This allows the user to Retrieve , Clear and View Fault Recorder record files.	
8	The Retrieve command downloads and saves the record to a (*.flt) file.	

9	If user selects Retrieve , IPScom will show the corresponding corresponding Retrieve progress screen.	
10	Once the download process has ended, IPScom will display a “ Save As ” screen where the user can set the destination folder where the Fault Recorder will be saved.	
11	Once the file has been saved, IPScom will display a confirmation screen.	
12	After that, IPScom will give the user the option to open the Fault Record viewer.	

13

If user select **Yes**, IPScom will launch the **Fault Recorder Events Viewer**. This screen shows the complete list of fault records that have previously been stored in the internal memory of the unit.

Fault Recorder Events Viewer

File Name: D-0347V03.18.15 | Downloaded from IPScom Version: D-0348V10.20.21

☐ Show UTC Time

No	Date & Time	Events Stored in Record
128	10/18/2018 20:51:14.229 PM	51PB #3 Timeout, 51PC #3 Timeout, IaMagPrimary (A) 2903.6MagPrimary (A) 2899.1cMagPrimary (A) 2899.1g
127	10/18/2018 20:51:14.200 PM	51PA #3 Timeout, OUTPUT1 Pickup, IaMagPrimary (A) 2903.6MagPrimary (A) 2899.1cMagPrimary (A) 2899.1g
126	10/18/2018 20:51:05.221 PM	51PB #2 Timeout, 51PC #2 Timeout, IaMagPrimary (A) 2903.6MagPrimary (A) 2899.1cMagPrimary (A) 2899.1g
125	10/18/2018 20:51:05.208 PM	51PA #2 Timeout, OUTPUT1 Pickup, IaMagPrimary (A) 2903.6MagPrimary (A) 2899.1cMagPrimary (A) 2899.1g
124	10/18/2018 20:51:00.467 PM	51PC #1 Timeout, IaMagPrimary (A) 2903.6MagPrimary (A) 2900.1cMagPrimary (A) 2899.1gMagPrimary (A) 0
123	10/18/2018 20:51:00.458 PM	51PA #1 Timeout, 51PB #1 Timeout, OUTPUT1 Pickup, IaMagPrimary (A) 2903.6MagPrimary (A) 2899.1cMag
122	10/2/2018 10:14:46.267 AM	IPS #1 Pickup, IPS #1 Timeout, IaMagPrimary (A) 0.8MagPrimary (A) 0.1cMagPrimary (A) 0.1gMagPrimary (A) 0
121	10/2/2018 10:14:34.380 AM	IPS #1 Pickup, IPS #1 Timeout, IaMagPrimary (A) 0.8MagPrimary (A) 0.1cMagPrimary (A) 0.1gMagPrimary (A) 0
120	9/26/2018 20:54:21.872 PM	IPS #1 Pickup, IPS #1 Timeout, IaMagPrimary (A) 0.8MagPrimary (A) 0.1cMagPrimary (A) 0.1gMagPrimary (A) 0
119	9/26/2018 20:52:10.220 PM	IPS #1 Pickup, IPS #1 Timeout, IaMagPrimary (A) 0.8MagPrimary (A) 0.1cMagPrimary (A) 0.1gMagPrimary (A) 0
118	9/26/2018 20:48:46.938 PM	IPS #1 Pickup, IPS #1 Timeout, IaMagPrimary (A) 0.8MagPrimary (A) 0.1cMagPrimary (A) 0.1gMagPrimary (A) 0
117	9/26/2018 20:43:27.125 PM	IPS #1 Pickup, IPS #1 Timeout, IaMagPrimary (A) 0.8MagPrimary (A) 0.1cMagPrimary (A) 0.1gMagPrimary (A) 0
116	9/26/2018 20:39:41.850 PM	IPS #1 Pickup, IPS #1 Timeout, IaMagPrimary (A) 0.8MagPrimary (A) 0.1cMagPrimary (A) 0.1gMagPrimary (A) 0
115	1/2/1970 07:24:34.000 AM	25 Pickup Dropout, 27A #1 Pickup Dropout, 27C #1 Pickup Dropout, 27V1 Pickup Dropout, 32A #1 Pickup Dropout, 32C #1 Pickup
114	12/31/1969 19:00:00.000 PM	27C #1 Pickup Dropout, 27V1 Pickup Dropout, 32A #1 Pickup Dropout, 32B #1 Pickup Dropout, 32C #1 Pickup Dropout, 32C #1 Pickup
113	1/2/1970 07:24:32.000 AM	25 Pickup Dropout, 27B #1 Pickup Dropout, 27V1 Pickup Dropout, 32A #1 Pickup Dropout, 32C #1 Pickup Dropout, 32C #1 Pickup
112	12/31/1969 19:00:00.000 PM	27A #1 Pickup Dropout, 27V1 Pickup Dropout, 32A #1 Pickup Dropout, 32B #1 Pickup Dropout, 32C #1 Pickup Dropout, 32C #1 Pickup
111	1/2/1970 07:24:34.000 AM	32A #1 Pickup Dropout, 32B #1 Pickup Dropout, 32C #1 Pickup Dropout, 32A #1 Pickup Dropout, 32B #1 Pickup Dropout, 32C #1 Pickup
110	1/2/1970 07:24:32.000 AM	32A #1 Pickup Dropout, 32B #1 Pickup Dropout, 32C #1 Pickup Dropout, 32A #1 Pickup Dropout, 32B #1 Pickup Dropout, 32C #1 Pickup
109	1/2/1970 07:24:32.000 AM	32A #1 Pickup Dropout, 32B #1 Pickup Dropout, 32C #1 Pickup Dropout, 32A #1 Pickup Dropout, 32B #1 Pickup Dropout, 32C #1 Pickup
108	12/31/1969 19:00:00.000 PM	32A #1 Pickup Dropout, 32B #1 Pickup Dropout, 32C #1 Pickup Dropout, 32A #1 Pickup Dropout, 32B #1 Pickup Dropout, 32C #1 Pickup
107	12/31/1969 19:00:00.000 PM	32A #1 Pickup Dropout, 32B #1 Pickup Dropout, 32C #1 Pickup Dropout, 32A #1 Pickup Dropout, 32B #1 Pickup Dropout, 32C #1 Pickup
106	12/31/1969 19:00:00.000 PM	32A #1 Pickup Dropout, 32B #1 Pickup Dropout, 32C #1 Pickup Dropout, 32A #1 Pickup Dropout, 32B #1 Pickup Dropout, 32C #1 Pickup

14

If user Double-clicks a Fault Record, IPScom will display the **Fault Recorder Event Detail** screen. This screen shows specific information of that particular event.

Fault Recorder Event Details#1 10/18/2018 20:51:14.229 PM

☒ Secondary ☐ Primary

Item	Value	Unit
Active Profile	1	A
Current A Max	2.904	A
Current A Inst	2.903	A
Current A Avg	0	A
Current A Min	0	A
Current B Max	2.9	A
Current B Inst	2.899	A
Current B Avg	0	A
Current B Min	0	A
Current C Max	2.9	A
Current C Inst	2.899	A
Current C Avg	0	A
Current C Min	0	A
Current G Max	0	mA
Current G Inst	0	mA
Current G Avg	0	mA
Current G Min	0	mA
Voltage A Max	189.28	V
Voltage A Inst	189.28	V
Voltage A Avg	0.41	V
Voltage A Min	0	V
Voltage B Max	188.54	V
Voltage B Inst	188.52	V
Voltage B Avg	0.39	V
Voltage B Min	0	V
Voltage C Max	189.51	V

I/O Status

No

Pickup Status

No

1 51PA #3 Pickup
2 51PB #3 Pickup
3 51PC #3 Pickup

Timeout Status

No

1 51PA #3 Timeout
2 51PB #3 Timeout
3 51PC #3 Timeout

Harmonics

Harmonic	A	B	C
1: 60Hz	189.29	188.60	189.53
2: 120Hz	0.00	0.00	0.00
3: 180Hz	0.00	0.00	0.00
4: 240Hz	0.02	0.03	0.02
5: 300Hz	0.03	0.02	0.03
6: 360Hz	0.02	0.02	0.02
7: 420Hz	0.02	0.02	0.02
8: 480Hz	0.00	0.00	0.00
9: 540Hz	0.02	0.03	0.02
10: 600Hz	0.00	0.00	0.00
11: 660Hz	0.00	0.00	0.00
12: 720Hz	0.02	0.02	0.02
13: 780Hz	0.02	0.02	0.02
14: 840Hz	0.02	0.02	0.02
15: 900Hz	0.02	0.00	0.00
16: 960Hz	0.00	0.00	0.00
17: 1020Hz	0.00	0.00	0.00
18: 1080Hz	0.00	0.00	0.00
19: 1140Hz	0.00	0.00	0.00
20: 1200Hz	0.02	0.02	0.02
21: 1260Hz	0.03	0.02	0.02
22: 1320Hz	0.00	0.00	0.00
23: 1380Hz	0.02	0.00	0.00
24: 1440Hz	0.02	0.02	0.00
25: 1500Hz	0.02	0.02	0.02

15

The **Fault Recorder Event Detailed** screen includes the following information:

- I/O Status: Input and output signals that were active at the time the Fault Register capture was initiated.
- Pickup Status: Pickup signals that triggered the Fault Register.
- Timeout Status: Timeout signals that triggered the Fault Register.

Fault Recorder Event Details#1 10/18/2018 20:51:14.229 PM

☒ Secondary ☐ Primary

Item	Value	Unit
Apparent Power A	543.424	VA
Apparent Power B	543.481	VA
Apparent Power C	543.34	VA
Apparent Power 3Ph	1645.2	VA
Frequency	60	Hz
Frequency Change	0	Hz
ITC VA	4	VA
ITC VB	4	VA
ITC VC	4	VA
ITC Duration A	5132.0	s
ITC Duration B	5132.0	s
ITC Duration C	5132.0	s
OP Counter A	670	
OP Counter B	670	
OP Counter C	670	
OC Phase A Pickup C	321	
OC Phase B Pickup C	321	
OC Phase C Pickup C	321	
OC Phase A Trip Coun	236	
OC Phase B Trip Coun	200	
OC Phase C Trip Coun	195	
OC Phase G Trip Coun	14	
HARM IA THD	0.4	%
HARM IB THD	0.4	%
HARM IC THD	0.4	%

I/O Status

No

Pickup Status

No

1 51PA #3 Pickup
2 51PB #3 Pickup
3 51PC #3 Pickup

Timeout Status

No

1 51PA #3 Timeout
2 51PB #3 Timeout
3 51PC #3 Timeout

Harmonics

Harmonic	A	B	C
1: 60Hz	189.29	188.60	189.53
2: 120Hz	0.00	0.00	0.00
3: 180Hz	0.00	0.00	0.00
4: 240Hz	0.02	0.03	0.02
5: 300Hz	0.03	0.02	0.03
6: 360Hz	0.02	0.02	0.02
7: 420Hz	0.02	0.02	0.02
8: 480Hz	0.00	0.00	0.00
9: 540Hz	0.02	0.03	0.02
10: 600Hz	0.00	0.00	0.00
11: 660Hz	0.00	0.00	0.00
12: 720Hz	0.02	0.02	0.02
13: 780Hz	0.02	0.02	0.02
14: 840Hz	0.02	0.02	0.02
15: 900Hz	0.02	0.00	0.00
16: 960Hz	0.00	0.00	0.00
17: 1020Hz	0.00	0.00	0.00
18: 1080Hz	0.00	0.00	0.00
19: 1140Hz	0.00	0.00	0.00
20: 1200Hz	0.02	0.02	0.02
21: 1260Hz	0.03	0.02	0.02
22: 1320Hz	0.00	0.00	0.00
23: 1380Hz	0.02	0.00	0.00
24: 1440Hz	0.02	0.02	0.00
25: 1500Hz	0.02	0.02	0.02

16 Also, the **Fault Recorder Event Detailed** screen includes the following parameters:

- Active Profile
- Current (A,B,C,N)
- Voltage (A,B,C,N)
- Voltage (Pos, Neg, Zero)
- Current (Pos, Neg, Zero)
- Real Power (A,B,C,3Ph)
- Reactive Power (A,B,C,3Ph)
- Power Factor (A,B,C,3Ph)
- Apparent Power (A,B,C,3Ph)
- Frequency/Frequency Change
- ITIC Events (VA, VB, VC)*
- Operation Counters
- THD/TDD
- Fault Distance/Fault Type
- Control Status
- Pickup Status
- Timeout Status
- Voltage & Current Harmonics

Fault Recorder Event Details#1 10/18/2018 20:51:14.229 PM

#1

Secondary Primary

Item	Value	Unit
Apparent Power A	549.426	VA
Apparent Power B	545.481	VA
Apparent Power C	549.34	VA
Apparent Power 3Ph	1645.2	VA
Frequency	60	Hz
Frequency Change	0	Hz
ITIC VA	4	
ITIC VB	4	
ITIC VC	4	
ITIC Duration A	5132.0	s
ITIC Duration B	5132.0	s
ITIC Duration C	5132.0	s
OP Counter A	670	
OP Counter B	670	
OP Counter C	670	
OC Phase A Pickup C	320	
OC Phase B Pickup C	321	
OC Phase C Pickup C	321	
OC Phase A Trip Count	236	
OC Phase B Trip Count	200	
OC Phase C Trip Count	195	
OC Phase G Trip Count	14	
HARM IA THD	0.4	%
HARM IB THD	0.4	%
HARM IC THD	0.4	%

I/O Status

No

Pickup Status

No

1 51PA #3 Pickup

2 51PB #3 Pickup

3 51PC #3 Pickup

Timeout Status

No

1 51PA #3 Timeout

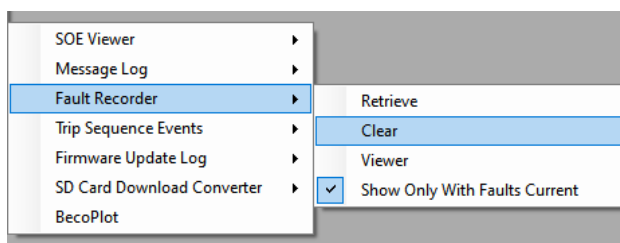
2 51PB #3 Timeout

3 51PC #3 Timeout

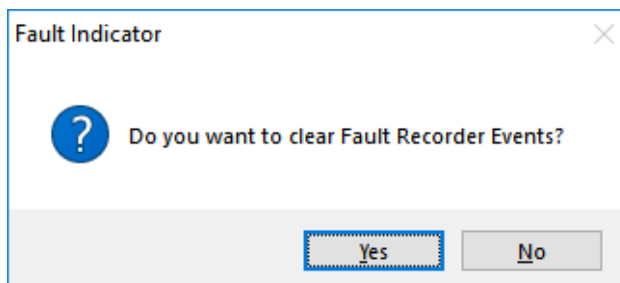
Voltage Current

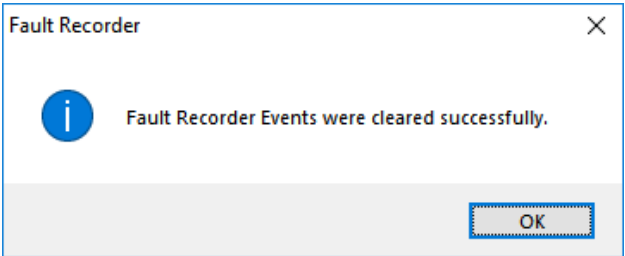
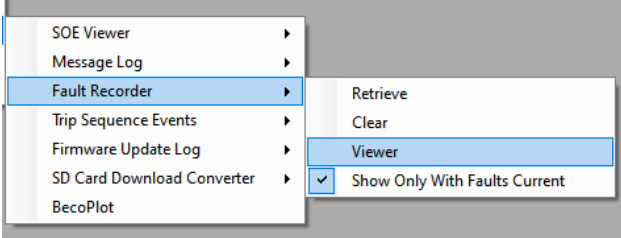
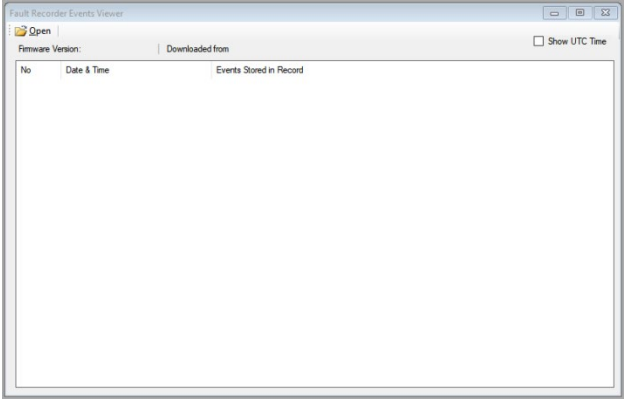
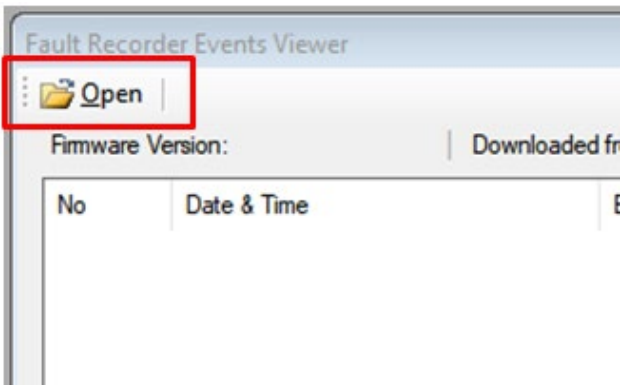
Harmonic	A	B	C
1: 60Hz	189.29	188.60	189.53
2: 120Hz	0.00	0.03	0.02
3: 180Hz	0.00	0.03	0.02
4: 240Hz	0.02	0.03	0.02
5: 300Hz	0.03	0.02	0.03
6: 360Hz	0.02	0.02	0.02
7: 420Hz	0.02	0.02	0.02
8: 480Hz	0.00	0.00	0.02
9: 540Hz	0.02	0.03	0.02
10: 600Hz	0.00	0.02	0.03
11: 660Hz	0.00	0.02	0.02
12: 720Hz	0.02	0.02	0.02
13: 780Hz	0.02	0.02	0.02
14: 840Hz	0.02	0.02	0.00
15: 900Hz	0.02	0.00	0.02
16: 960Hz	0.00	0.00	0.00
17: 1020Hz	0.00	0.00	0.03
18: 1080Hz	0.00	0.00	0.00
19: 1140Hz	0.00	0.00	0.03
20: 1200Hz	0.02	0.02	0.02
21: 1260Hz	0.03	0.02	0.02
22: 1320Hz	0.00	0.00	0.00
23: 1380Hz	0.02	0.00	0.02
24: 1440Hz	0.02	0.00	0.00
25: 1500Hz	0.02	0.02	0.02

17 The **Clear** command clears all Fault Recorder records in the recloser control.



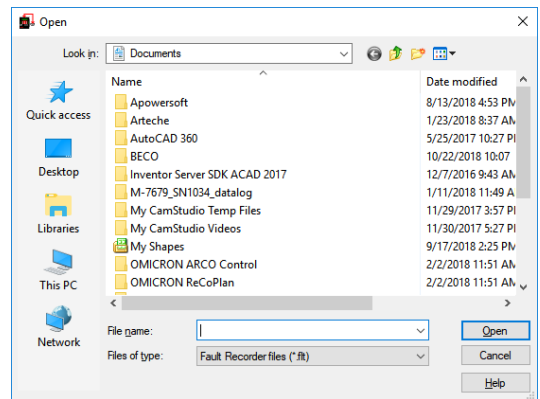
18 If the user selects **Clear**, IPScom will display a confirmation screen.



19	If the user chooses Yes , all the Fault Records will be deleted from the unit and IPScom will display a confirmation message.	
20	The Viewer command launches the Fault Recorder Events Viewer .	
21	Fault Recorder Events Viewer allows the user to view detailed Fault Record parameters.	
22	To open a Fault Recorder Event file, select Open from the top left corner of the screen.	

23

IPScorn will display the **Open** dialog screen. Choose the desired *.flt file and click on **Open** button.



24

The viewer displays all the Fault Records included in the selected file.

Fault Recorder Events Viewer

Open

Filename: D:\347\03.19.19 Downloaded from IPScorn Version: D-0348V10.20.17

☐ Show UTC Time

No	Date & Time	Events Stored in Record
128	8/31/2018 11:04:25 548 AM	51PA #4 Timeout.OUTPUT1 Pickup.IaMagPrimary (A) 1935.bMagPrimary (A) 0.IcMagPrimary (A) 0.IgMagPh
127	8/31/2018 11:04:17 223 AM	51PA #3 Timeout.OUTPUT1 Pickup.IaMagPrimary (A) 1935.bMagPrimary (A) 0.IcMagPrimary (A) 0.IgMagPh
126	8/31/2018 11:04:08 898 AM	51PA #2 Timeout.OUTPUT1 Pickup.IaMagPrimary (A) 1935.bMagPrimary (A) 0.IcMagPrimary (A) 0.IgMagPh
125	8/31/2018 11:04:04 732 AM	50N #1 Timeout.OUTPUT1 Pickup.IaMagPrimary (A) 1935.bMagPrimary (A) 0.IcMagPrimary (A) 0.IgMagPh
124	8/31/2018 10:55:57 747 AM	51PA #4 Timeout.OUTPUT1 Pickup.IaMagPrimary (A) 1935.bMagPrimary (A) 0.IcMagPrimary (A) 0.IgMagPh
123	8/31/2018 10:54:47 422 AM	51PA #3 Timeout.OUTPUT1 Pickup.IaMagPrimary (A) 1935.bMagPrimary (A) 0.IcMagPrimary (A) 0.IgMagPh
122	8/31/2018 10:53:39 087 AM	51PA #2 Timeout.OUTPUT1 Pickup.IaMagPrimary (A) 1935.bMagPrimary (A) 0.IcMagPrimary (A) 0.IgMagPh
121	8/31/2018 10:53:34 530 AM	50N #1 Timeout.OUTPUT1 Pickup.IaMagPrimary (A) 1935.bMagPrimary (A) 0.IcMagPrimary (A) 0.IgMagPh
120	8/31/2018 10:53:47 016 AM	51N #2 Timeout.OUTPUT1 Pickup.IaMagPrimary (A) 1935.bMagPrimary (A) 0.IcMagPrimary (A) 0.IgMagPh
119	8/31/2018 10:53:46 083 AM	50N #1 Timeout.IaMagPrimary (A) 1935.bMagPrimary (A) 0.IcMagPrimary (A) 0.IgMagPrimary (A) 0
118	8/31/2018 10:53:46 000 AM	51N #1 Timeout.OUTPUT1 Pickup.IaMagPrimary (A) 1935.bMagPrimary (A) 0.IcMagPrimary (A) 0.IgMagPh
117	8/31/2018 10:53:00 759 AM	51N #2 Timeout.OUTPUT1 Pickup.IaMagPrimary (A) 1935.bMagPrimary (A) 0.IcMagPrimary (A) 0.IgMagPh
116	8/31/2018 10:52:59 826 AM	50N #1 Timeout.IaMagPrimary (A) 1935.bMagPrimary (A) 0.IcMagPrimary (A) 0.IgMagPrimary (A) 0
115	8/31/2018 10:52:59 743 AM	51N #1 Timeout.OUTPUT1 Pickup.IaMagPrimary (A) 1935.bMagPrimary (A) 0.IcMagPrimary (A) 0.IgMagPh
114	8/30/2018 16:17:04 458 PM	51PB #4 Timeout.51PC #4 Timeout.IaMagPrimary (A) 1935.bMagPrimary (A) 1932.IcMagPrimary (A) 1933.Ig
113	8/30/2018 16:17:04 446 PM	51PA #4 Timeout.OUTPUT1 Pickup.IaMagPrimary (A) 1935.bMagPrimary (A) 1932.IcMagPrimary (A) 1933.Ig
112	8/30/2018 16:16:56 133 PM	51PB #3 Timeout.51PC #3 Timeout.IaMagPrimary (A) 1935.bMagPrimary (A) 1932.IcMagPrimary (A) 1933.Ig
111	8/30/2018 16:16:56 121 PM	51PA #3 Timeout.OUTPUT1 Pickup.IaMagPrimary (A) 1935.bMagPrimary (A) 1932.IcMagPrimary (A) 1933.Ig
110	8/30/2018 16:16:47 800 PM	51PB #2 Timeout.51PC #2 Timeout.IaMagPrimary (A) 1935.bMagPrimary (A) 1932.IcMagPrimary (A) 1933.Ig
109	8/30/2018 16:16:47 795 PM	51PA #2 Timeout.OUTPUT1 Pickup.IaMagPrimary (A) 1935.bMagPrimary (A) 1932.IcMagPrimary (A) 1933.Ig
108	8/30/2018 16:16:42 637 PM	51PA #1 Timeout.51PC #1 Timeout.IaMagPrimary (A) 1935.bMagPrimary (A) 1932.IcMagPrimary (A) 1933.Ig
107	8/30/2018 16:16:42 629 PM	51PB #1 Timeout.OUTPUT1 Pickup.IaMagPrimary (A) 1935.bMagPrimary (A) 1932.IcMagPrimary (A) 1933.Ig
106	8/30/2018 16:16:16 580 PM	51PB #1 Timeout.51PC #1 Timeout.IaMagPrimary (A) 1935.bMagPrimary (A) 1932.IcMagPrimary (A) 1933.Ig

25

If user Double-clicks a Fault Record, IPScorn will display the **Fault Recorder Event Detail** screen. This screen shows specific information of that particular event.

Fault Recorder Event Details#1 10/18/2018 20:51:14.229 PM

#1

☒ Secondary ☐ Primary

Item	Value	Unit
Active Profile	1	
Current A Max	2.904	A
Current A Inst	2.903	A
Current A Avg	0	A
Current A Min	0	A
Current B Max	2.9	A
Current B Inst	2.899	A
Current B Avg	0	A
Current B Min	0	A
Current C Max	2.9	A
Current C Inst	2.899	A
Current C Avg	0	A
Current C Min	0	A
Current G Max	0	mA
Current G Inst	0	mA
Current G Avg	0	mA
Current G Min	0	mA
Voltage A Max	189.28	V
Voltage A Inst	189.26	V
Voltage A Avg	0.41	V
Voltage A Min	0	V
Voltage B Max	188.54	V
Voltage B Inst	188.52	V
Voltage B Avg	0.39	V
Voltage B Min	0	V
Voltage C Max	189.51	V

I/O Status

No

Pickup Status

No

1 51PA #3 Pickup

2 51PB #3 Pickup

3 51PC #3 Pickup

Timeout Status

No

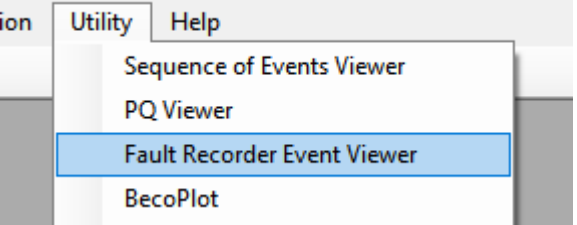
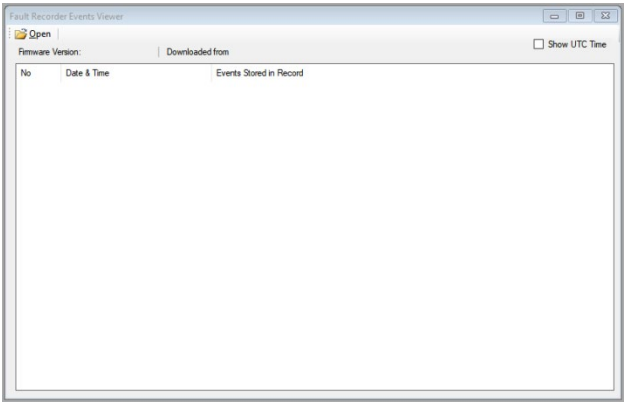
1 51PA #3 Timeout

2 51PB #3 Timeout

3 51PC #3 Timeout

Harmonics

	A	B	C
1: 60Hz	189.29	188.60	189.53
2: 120Hz	0.00	0.03	0.02
3: 180Hz	0.00	0.03	0.02
4: 240Hz	0.02	0.03	0.02
5: 300Hz	0.03	0.02	0.03
6: 360Hz	0.02	0.02	0.02
7: 420Hz	0.02	0.02	0.02
8: 480Hz	0.00	0.00	0.02
9: 540Hz	0.02	0.03	0.02
10: 600Hz	0.00	0.02	0.03
11: 660Hz	0.00	0.02	0.02
12: 720Hz	0.02	0.02	0.02
13: 780Hz	0.02	0.02	0.02
14: 840Hz	0.02	0.02	0.00
15: 900Hz	0.02	0.00	0.02
16: 960Hz	0.00	0.00	0.00
17: 1020Hz	0.00	0.02	0.03
18: 1080Hz	0.00	0.00	0.00
19: 1140Hz	0.00	0.00	0.03
20: 1200Hz	0.02	0.02	0.02
21: 1260Hz	0.03	0.02	0.02
22: 1320Hz	0.00	0.00	0.00
23: 1380Hz	0.02	0.00	0.02
24: 1440Hz	0.02	0.02	0.00
25: 1500Hz	0.02	0.02	0.02

26	If the process is going to be performed without connecting to a M-7679 R-PAC unit, from the IPScom main dialog screen (File not open or not connected mode) go to Utility / Fault Recorder Event Viewer.	
27	IPScom will launch the Fault Record Event Viewer. For further information on Fault Record Event Viewer, go to step 21.	
End of Procedure.		



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