

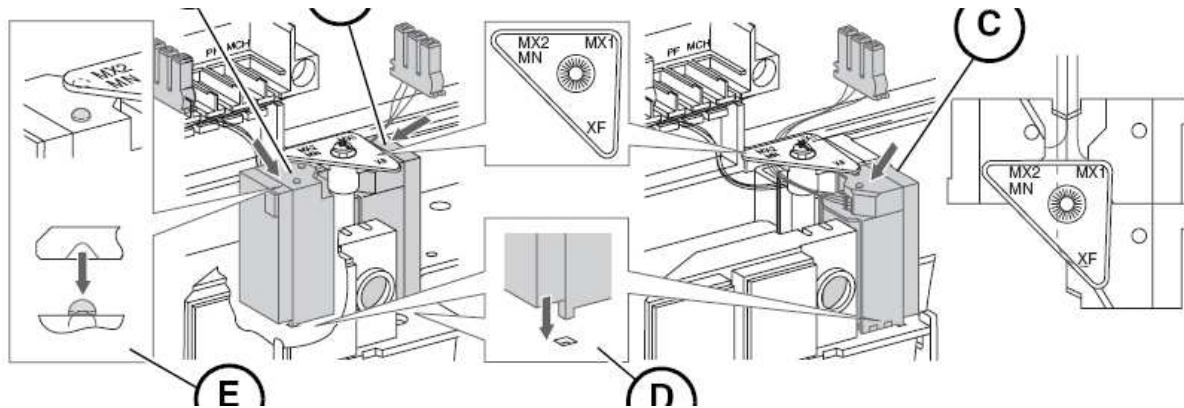
Browser Communication System for Controlling Breakers with IFE Switchboard Server

Summary of Activity:

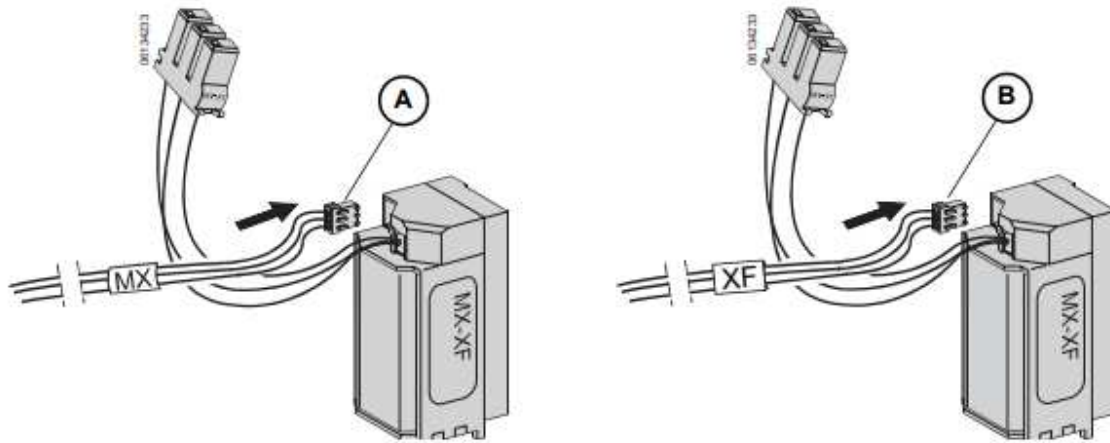
- Install MX-COM and XF-COM coils
- Install communications wire harness between coils and BCM
- Modify MX-COM and XF-COM input power wiring
- Install one IFE switchboard Server in place of one existing standard IFE
- Configure IFE switchboard server

Instructions compiled by Marshall Barker - January 10, 2019

Swap out standard MX and XF coil with MX-COM and XF-COM coils, instructions 48049-146-01 included with new coils.

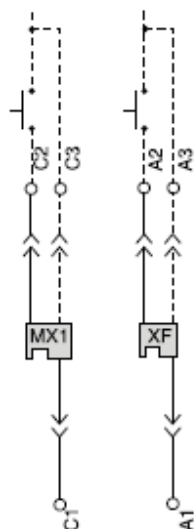


Connect communications harness (bubble A and B) from BCM to the com coils.



Modify Com coil input power wiring

- Continuously power C3 and A3 so the coils can be operated through communications. Intermittent operation of C2 and A2 are not needed anymore unless they still want to operate the breaker electrically.



Remote Operation				
MN/MX2	MX1	XF	PF	MCH
D2/C12	C2	A2	254	B2
C13	C3	A3	252	B3
D1/C11	C1	A1	251	B1

Install one IFE switchboard Server in place of one existing standard IFE

- LV434002 - IFE Ethernet switchboard server
- Old commercial reference is LV434011
- Refer to IFE user guide as necessary: 1040IB1401-05



Configure IFE switchboard server, add devices to the device list, and Enable Application Control in IFE Interface for open/close buttons.

- Refer to IFE user guide as necessary: 1040IB1401-05
- Add IFE devices to the switchboard server Powerview webpage. Use the configuration & settings tab and then click on Device List on the left-hand side the page, add devices by IP address and slave ID 255. Please ignore the modbus devices shown below.

Diagnostics

Maintenance

Configuration & Settings

Device List

Add Remote Devices

Apply

Delete

ACBTOM

IP Address

Gateway

Address

Name

Discover

10.171.226.20

☒

255

ACBTOM

Discover

Connection	Device Type	Device Name	Slave ID	Delete	Operation
ULP	Micrologic P	Proxima	255	---	---
Modbus Serial Line	PowerPact E	Argos	32	☐	
Modbus Serial Line	Masterpact MTZ X	ACBTOM	33	☐	

+

- Enable Application Control in IFE Interface, steps 1 through 6.

Enable Application Control in IFE Interface

Follow the below procedure to enable the Application Control feature in IFE interface.

NOTE: The application control feature is enabled only when the user is logged in as an administrator.

Step	Action	Result
1	Press the test button on the front face of the IFE interface for 10–15 s. NOTE: Do not press the test button less than 10 s or more than 15 s.	Initiates the application control feature.
2	After 15 s, IFE interface initiates the application control feature.	The feature disclaimer window is available continuously for 5 min. The module status LED starts blinking continuously for 5 min (1 s ON, 1 s OFF) once the test button is released.
3	Access the IFE webpage and login as an administrator.	The administrator login to the IFE webpage.

Step	Action	Result
4	From the Configuration & Settings menu, click Webpage Access.	The Administrator reads the disclaimer and chooses either the option I Understand the risks/Apply or Continue to disable. The application control feature disclaimer is: <i>By accepting this disclaimer, you are directed to webpage access which enables you to control several applications remotely. It is highly recommended that the administrator modify the default administrator password. By using, you are agreeing to indemnify and hold harmless Schneider Electric for and from any claims, losses, demands, lawsuits, and damages that are a result of direct or indirect use of this application control feature by reason of any act or omission which the user commits.</i> The disclaimer page is available in the language selected by the administrator.
5	Select I Understand the risks/Apply.	The application control feature is now enabled for the administrator. The breaker application and IO application are enabled in the webpage access for providing access to the other user groups.
6	Select Continue to disable.	The application control feature is disabled. The breaker application and IO application are disabled in the webpage access.

Breaker Application

From the Device Control page, in the Breaker Application, the authorized group can perform the following operations:

Control	Status	Operation	Availability
Breaker	Open/Close/Tripped/NA	Open/Close/Reset	PowerPact H-, J-, and L-frame circuit breaker with BSCM
		Open/Close	Masterpact NT/NW or PowerPact P- and R-frame circuit breaker or switch disconnecter with BCM ULP

NOTE: Pop-up message confirms that the command is successfully sent. It does not confirm whether the complete operation is successful.

Below are some examples of what your PowerView pages will look like while enabling Application control.


PowerView
2019-01-0

Monitoring

Control

Diagnostics

Maintenance

Configuration & Settings

Ethernet Configuration (Dual port)

IP Configuration

Modbus TCP/IP Filtering

Modbus Serial Line

Email Configuration

Email Server Configuration

Email Events

Facility Expert

Device Configuration

Device List

Device Logging

Device Log Export

Other Configuration

SNMP Parameters

Preferences

Advanced Services Control

User Accounts

Webpage Access

Webpage Access

	Engineering	Operations	Maintenance	Guest
Monitoring				
Real Time Data	Read Only ▼	Read Only ▼	Read Only ▼	Read Only ▼
Device Log Data	Read Only ▼	Read Only ▼	Read Only ▼	Read Only ▼
Control				
Resets	Read Only ▼	Read Only ▼	Read Only ▼	Read Only ▼
Set Device Time	Full ▼	Full ▼	Full ▼	Read Only ▼
Breaker application	Read Only ▼	Read Only ▼	Read Only ▼	Read Only ▼
IO application	Read Only ▼	Read Only ▼	Read Only ▼	Read Only ▼
Acti9 SmartLink	Read Only ▼	Read Only ▼	Read Only ▼	Read Only ▼
Diagnostics				
Statistics	Full ▼	Full ▼	Full ▼	Read Only ▼
Device Identification	Full ▼	Full ▼	Full ▼	Read Only ▼
IMU Information	Full ▼	Full ▼	Full ▼	Read Only ▼
Read Device Registers	Full ▼	Full ▼	Full ▼	Read Only ▼
Communications Check	Full ▼	Full ▼	Full ▼	Read Only ▼
Maintenance				
Indicators	Full ▼	Full ▼	Full ▼	Read Only ▼
Configuration & Settings				
Device Physical Location	Full ▼	Full ▼	Full ▼	Read Only ▼
Date and Time	Full ▼	Full ▼	Full ▼	Read Only ▼
Time Zone	Full ▼	Full ▼	Full ▼	Read Only ▼
Ethernet Configuration (Dual port)	Full ▼	Full ▼	Full ▼	Read Only ▼
IP Configuration	Full ▼	Full ▼	Full ▼	Read Only ▼
Modbus TCP/IP Filtering	Full ▼	Full ▼	Full ▼	Read Only ▼
Modbus Serial Line	Full ▼	Full ▼	Full ▼	Read Only ▼

Control

Diagnostics

Maintenance

Configuration & Settings

Feature Disclaimer:

"By accepting this disclaimer you are directed to web page access which enables you to control several applications remotely. It is highly recommended that the Administrator modify the d agreeing to indemnify and hold harmless Schneider Electric for and from any and all claims, losses, demands, lawsuits and damages that are a result of direct or indirect use of this applic which the user commits"

I Understand the risks/Apply

Continue to disable

Lastly, you should see the OPEN/CLOSE control buttons on the page.

Control

Diagnostics

Maintenance

Proxima(Micrologic P)

Resets

Control	Status
Min/Max	---
Peak Demand Current	---
Peak Demand Power	---
Accumulated Energy	---

Device Control

Breaker application

Control Status

NA

Control

Open

Close

Breaker Application

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		Open/Close	Masterpact NT/NW or PowerPact P- and R-frame circuit breaker or switch disconnectors with BCM ULP

NOTE: Pop-up message confirms that the command is successfully sent. It does not confirm whether the complete operation is successful.