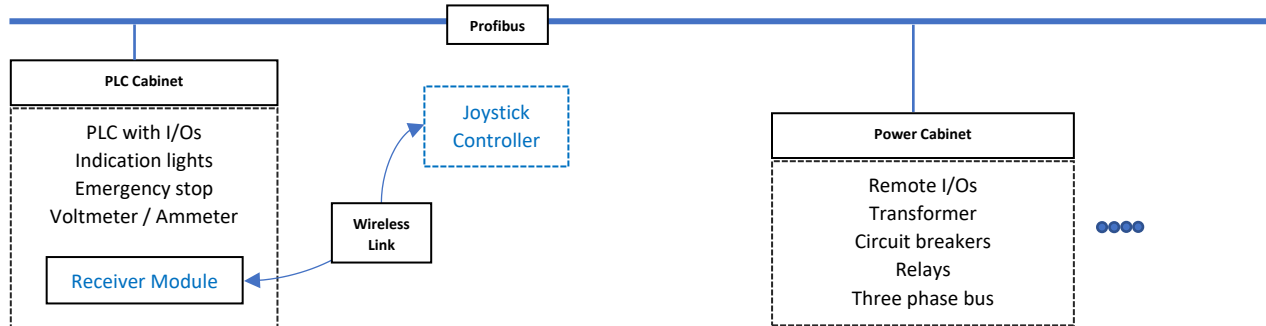


### Required Solution:



### Functionalities Required in the Wireless Controller:



Figure 1: Selected F24-60+ Joystick by TeleCrane

Sr #	Actuators with Details	Functional Description
1	3-Position Rotary Switch Quantity: 3	Operation Mode: Maintenance Operation Mode: Manual Operation Mode: Semi-Auto
		Mechanism Selection: Bridge Mechanism Selection: Hoist Mechanism Selection: Trolley
		Trolley Position Selection: L1 Trolley Position Selection: L2 Crane Position Selection: Service Area
2	4-Position Rotary Switch Quantity: 1	Bridge Position Selection: S1 Bridge Position Selection: S2 Bridge Position Selection: S3 Bridge Position Selection: S4
3	2-Position Toggle Switch Quantity: 3	Bypass Operation: Activate Bypass Operation: De-activate
		Site Power: ON Site Power: OFF
4	Push Button Quantity: 3+1 (1 button controller ON/OFF operation)	Acknowledge Fault
		Auto Operation: Start
		Auto Operation: Stop
		Transmitter Power ON / OFF
5	Mushroom Head Push Button with Latching Quantity: 1	Emergency Stop Operation
6	2-Axis Proportional Joystick with an NC contact for resting position Quantity: 1	Horizontal Axis: Bi-directional Bridge Movement
		Vertical Axis: Bi-directional Trolley Movement
		Resting Position: Stop Bridge/Trolley Movement

7	1-Axis Proportional Joystick with an NC contact for resting position Quantity: 1	Vertical Axis: Bi-direction Hoist Movement
		Resting Position: Stop Hoist Movement
8	External Buzzer with Indication Quantity: 1	For indication of transmitter faults + warnings

**Additional Information Needed for the TeleCrane F24-60+ Wireless Joystick:**

Following documents are required to analyze the configuration, installation, and commissioning of wireless control solution by TeleCrane:

- 1) Connection diagram for receiving unit of F24-60+ joystick with information about all the pins and the type of connector to be used for its installation.
- 2) An instructions manual to access and configure the features of F24-60+ joystick like programming relays and functions as well as establishing wireless communication between transmitter and receiver.