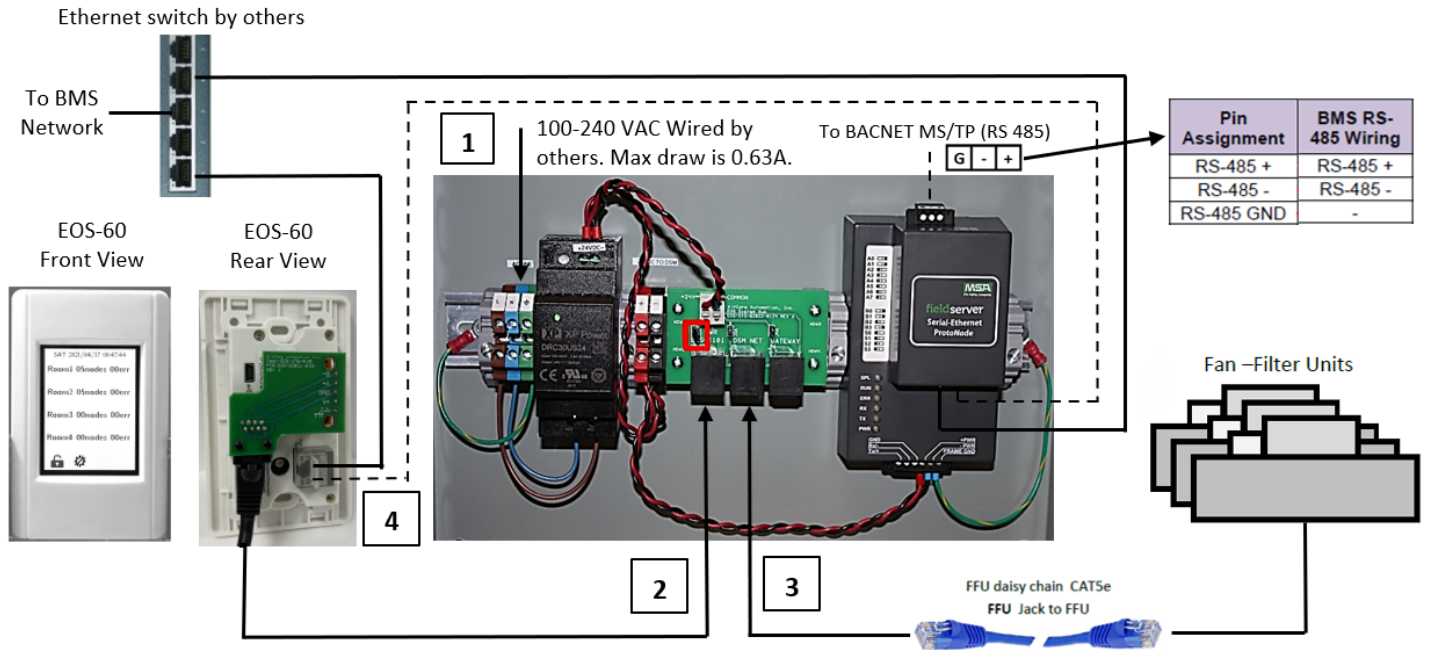NOTE: Ensure that each FFU configuration is set to Network mode and all address Node-ID's are uniquely assigned and begin with the value 1. Ensure power to board is off when configuring unit or gateway DIP switches.
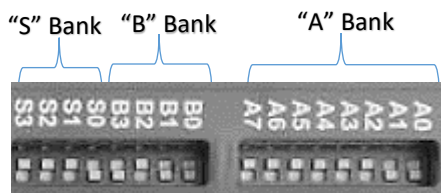
Console Wiring and Install

1. Provide 120VAC power to the enclosure terminal blocks, shown below at 1.
2. From the enclosure, connect CAT5e between EOS-60 and console EOS-60 jack, shown below at 2.
3. From enclosure jack, use CAT5e to connect to FFU daisy chained units, shown below at 3.
4. For BACnet IP, see solid black line below at 4. Use CAT5e to connect EOS-60 to ethernet switch then to both the EOS-60BGW gateway and BMS network.
5. For BACnet MS/TP, see dashed black line at 4. Use CAT5e cable to connect EOS-60 directly to the EOS-60BGW gateway shown as the dashed line.

*Ensure jumper is on terminal J2A, shown boxed in red below. This allows the EOS-60 to be powered by the CAT5e cable.

Pin Assignment	BMS RS-485 Wiring
RS-485 +	RS-485 +
RS-485 -	RS-485 -
RS-485 GND	-

Configure the gateway DIP Switches

6. Select the desired field protocol by setting the "S" bank of DIP switches (S0-S2). Switch S3 should OFF.
7. For BACnet MS/TP only (If you are using BACnet /IP you may skip this step):
   A. To set the BACnet MS/TP MAC Address for the gateway, set "A" bank to a value between 1 and 127. The default configuration is set to 3, as shown below.
   B. To set the field baud rate of the gateway to match the baud rate required by the BMS for BACnet MS/TP, set the "B" bank DIP switches to the desired configuration. The factory default setting is 38400, shown below.

"S" Bank Configuration

BACnet Protocol	S Bank DIP Switches		
	S0	S1	S2
BACnet/IP	OFF	OFF	OFF
BACnet MS/TP	ON	OFF	OFF

"B" Bank Configuration

Baud	B0	B1	B2	B3
9600	On	On	On	Off
19200	Off	Off	Off	On
38400*	On	On	Off	On
57600	Off	Off	On	On
76800	On	Off	On	On

Console Configuration

NOTE: Always press the Save icon 💾 to make any changes permanent and the Return icon ↩ to go back to the previous screen.

8. Once powered up, set date and time by selecting Settings page 2, Date and Time. See Fig. 1.

9. Passwords can be set by selecting the Lock icon 🔓 from the Settings screen. The default password is "000000".

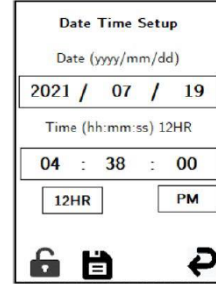10. The control can be reset but selecting the Reset icon at the bottom of the Settings screen.

Fig. 2: Date Time Screen *Fig. 1: Password Screen*

FFU Configuration

11. From Settings page 1, select FFU Type, shown in Fig. 3. Select ACM or ECM based on the FFU model.

12. From Settings page 1, select Assign FFU to Rooms, to configure room groups. See Fig. 4. select the Wrench icon beside the room number you want to configure.

13. Check the boxes of the FFUs you would like to assign to that room, see Fig. 5. Color coding is as follows - blue means FFU is assigned to that room; red means FFU is assigned to a different room; green means FFU is not assigned to a room. Use the lower arrows to continue assigning FFUs 1-60 to the current room. Use the top arrows to assign FFUs the next room.
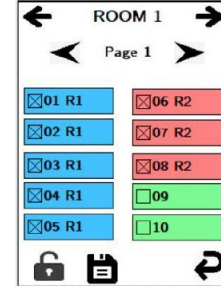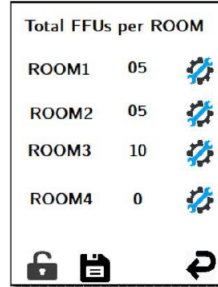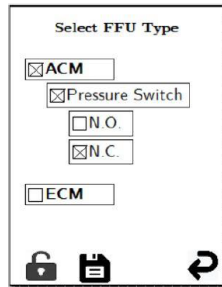
Fig. 3: FFU Configuration *Fig. 4: FFUs per Room Screen* *Fig. 5: Room Configuration*

14. FFUs can be in 5 modes:

Run	Normal operating speed.	Stop	Stops the FFU from operating.
Standby	Setback operating speed.	Offline	Disables communication from the PLC to the FFU.
Auto	Automatic operating speed, adjusts according to Clock/Calendar schedule.	Error	Reports an error in the FFU.

15. To change an individual FFU settings, select the room with the FFU you want to change from the Main screen, see Fig. 6. The room will show red if there is an error.

16. From here you can change the mode, setpoint, high and low limits, see Fig. 7. Select the icon to force polling.

17. To change all FFU settings go to the Global Commands screen from Settings page 1, see Fig. 8. Select the arrows to go from changing All Room settings to changing settings room by room.

18. If FFUs are set to Standby mode they will follow the Standby schedule, see Fig. 9. Select Standby Schedule from Settings page 1, to configure the start and finish of the standby period. Touch the left or right side of any of the periods to select the desired day and time.
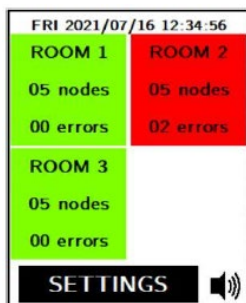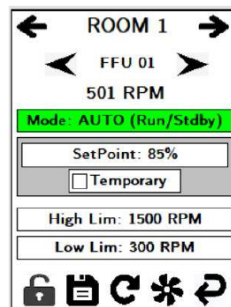
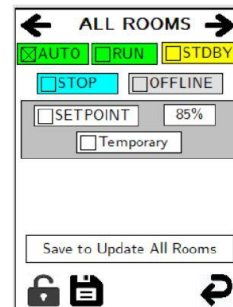*Fig. 6: Main Screen* *Fig. 7: Individual FFU Control* *Fig. 8: Global Control* *Fig. 9: Standby Schedule*