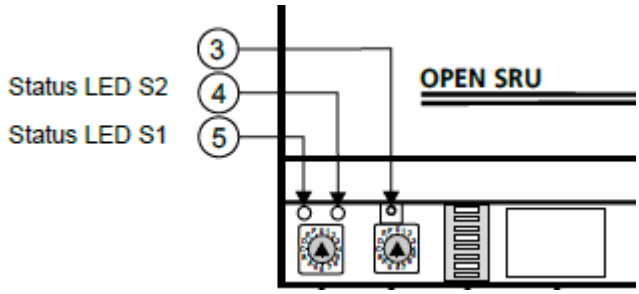
TT190506 – Troubleshoot - SRU Communication Problems

1. You can check the communication of the SRU with the S1 and S2 LEDs



2. Normally S1 should be flashing green, and S2 will flash yellow once when it is read
3. If S2 is always off, then maybe you've not configured the BACnet points in FUP, or not correctly set
4. If S2 is red, then maybe
   a. MS/TP cable is disconnected, or
   b. you've set the SRU baud rate to manual and it's not correct, or
   c. you changed the OPEN MS/TP baud rate recently, then you need to restart the SRU
5. If S2 is flashing red, then maybe some device's "Max Master" setting is set lower than your SRU MAC address
6. If S1 is flashing yellow, then maybe your MAC address is not set correctly (e.g. 00, or higher than 99)
7. If S1 is flashing yellow/green, or red/green, then it is in upload mode. If the upload failed due of unexpected reason, and S1 keep flashing like this after the failure, then you may need to restart the SRU manually, and upload again
8. Please also check the COM3 (or COM2) LED on the OPEN controller. If it is not flashing, then maybe you've not configured COM3 (or COM2) as BACnet MS/TP, or BACnet MS/TP settings in OPENview HTML5 (Browser, under "System") is not correct (e.g. MS/TP not enabled)
9. Please refer to the table below for details

S1	S2	Description
green flashing		Normal operating state: The loaded application is being executed. In this operating state the bus condition is displayed via the status LED S2.
	off	The SRU is operated via the BACnet MS/TP bus.
	yellow	If the SRU is addressed directly by another device, the status LED S2 will flash temporary yellow.
	red	No valid telegram is recognized on the BACnet MS/TP bus. This occurs if e.g. no other device is on the bus or a wrong baud rate is adjusted.
	red flashing	On the BACnet MS/TP bus valid telegrams are recognized, the SRU receives no communication token. This occurs, if on a device with a low MAC address the Max-Master variable is set too low.
yellow flashing		The position of the address switch is invalid. Valid addresses lie within the range of „01" to „99".
yellow/green flashing		This signal sequence indicates, that the SRU is in a BACnet boot loader operation. In this operation mode a new application can be loaded into the SRU.
red/green flashing		This signal sequence indicates, that the SRU is in a UART boot loader operation. In this operation mode a new application can be loaded into the SRU.
	yellow fast flashing	The internal flash memory is being programmed. This arises, while a new application is loaded into the SRU.
	red fast flashing	The internal EEPROM is being programmed. This occurs while a parameter set is being transferred between the programming device and the SRU.
yellow	yellow	The address switch is altered while an application is executed. After the address switches were rotated, the SRU adopt the new adjusted address. Also with the adjustment of the baud rate of the BACnet MS/TP bus via the DIP switch.