[Useful Tips]
How do I continue monitoring or operating the V9 even if a part of the machine stops?
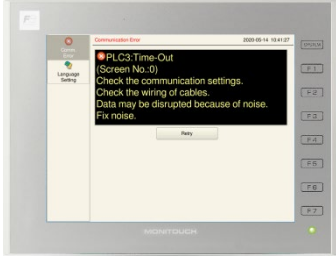
Before

If a part of the machine is powered off, the communication error screen appears. Meanwhile, I cannot monitor or operate other parts of the machine.
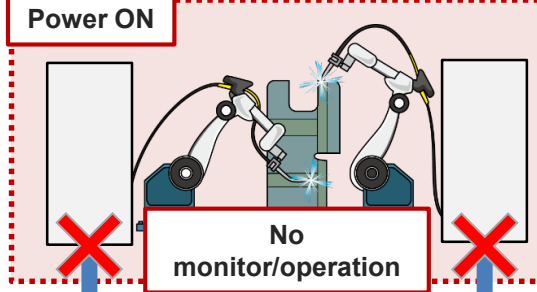
Monitoring console

Power ON

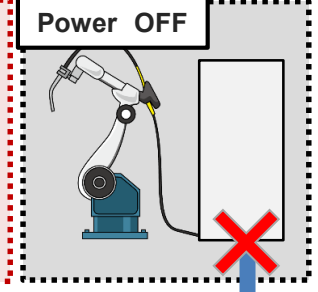Power OFF

No monitor/operation

Enlarged image

[Error handling: Stop]
The error screen appears.

It is a problem I cannot monitor on the monitoring console…

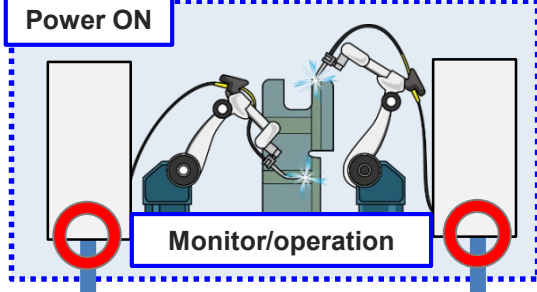If the machine is not in use, I want to turn it off to save electricity...

Changing the communication error handling setting from "Stop" to "Disconnect" …

After

The V9 only communicates with the active device.
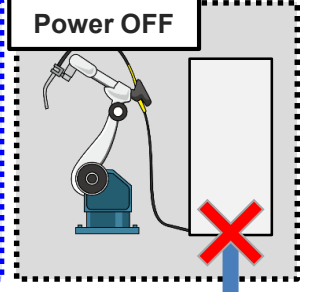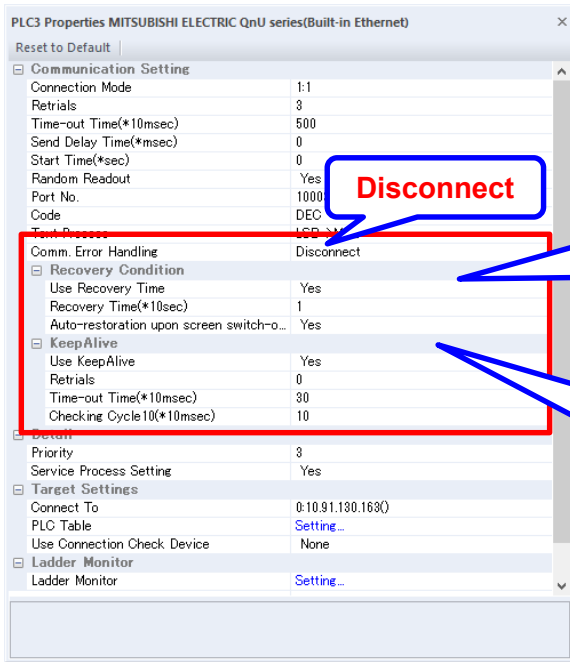You can monitor and operate because the error screen does not appear.

Power ON

Power OFF

Monitor/operation

OK !

Save energy at ease!
Save money!

Configuration of settings

Comm. Error handling (Hardware Setting -> PLCx Properties)

PLC3 Properties MITSUBISHI ELECTRIC QnU series(Built-in Ethernet)   ×

Reset to Default

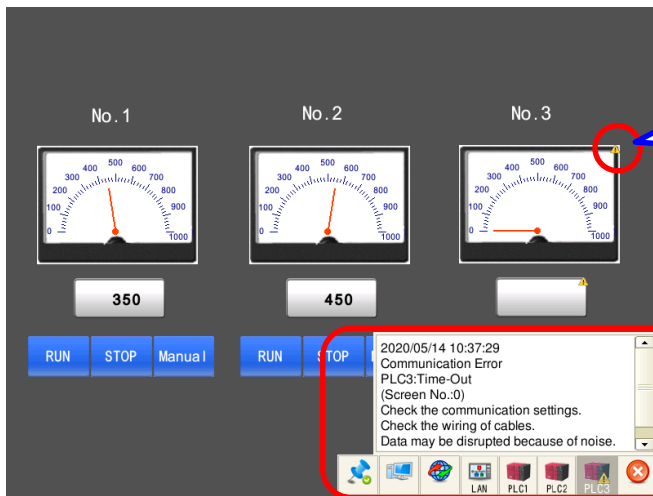| Communication Setting	
Connection Mode	1:1
Retrials	3
Time-out Time(*10msec)	500
Send Delay Time(*msec)	0
Start Time(*sec)	0
Random Readout	Yes
Port No.	1000
Code	DEC
Text Process	LSB-X
Comm. Error Handling	Disconnect
Recovery Condition	
Use Recovery Time	Yes
Recovery Time(*10sec)	1
Auto-restoration upon screen switch-o...	Yes
KeepAlive	
Use KeepAlive	Yes
Retrials	0
Time-out Time(*10msec)	30
Checking Cycle10(*10msec)	10
Detail	
Priority	3
Service Process Setting	Yes
Target Settings	
Connect To	0:10.91.130.163()
PLC Table	Setting...
Use Connection Check Device	None
Ladder Monitor	
Ladder Monitor	Setting...

Disconnect

Recovery Condition:
The V9 automatically checks for communication recovery. After communication is restored, you can monitor and operate the connected devices without any operation.

KeepAlive:
The detection of loss of communication is fast, so the wait time for recovery confirmation is shorter.
 * Only Ethernet connection available.

How can I check the communication status?

No.1   No.2   No.3

350   450

RUN STOP Manual   RUN STOP

2020/05/14 10:37:29
Communication Error
PLC3:Time-Out
(Screen No.:0)
Check the communication settings.
Check the wiring of cables.
Data may be disrupted because of noise.

LAN PLC1 PLC2 PLC3

⚠️ **icon:**
It appears on parts that use devices of disconnected equipment.

Status bar:
It displays the error content.

Communication status is also output to system devices $Px: 00010 or later.
You can display the status on a lamp part, for example.

Choose the right "communication error handling" according to the use of the machine and aim for the one that you can use safely!