Raycus laser source alarm description and possible solutions

ACDC2 Alarm (Power alarm 2)	**Alarm description:** Laser power supply alarm 2. Overcurrent or overvoltage inside the laser may cause the alarm to occur. **Possible solutions:** Check whether the input AC voltage is normal. If it is normal, try restarting the laser. If the alarm continues to occur, please contact Raycus.
T1/T2 Alarm (Temperature alarm--low temperature alarm and high temperature alarm Respectfully)	**Alarm description:** Laser low temperature/high temperature alarm occurs when the sensor in the laser detects abnormal temperature inside the laser. When the temperature at the monitoring point exceeds the set upper limit, a high temperature alarm is generated, and when it exceeds the set lower limit, a low temperature alarm is generated. **Possible solutions:** In the event of a high temperature alarm, please check whether the water cooling system is turned on normally, whether the water temperature setting is correct, whether the chiller is working normally, whether there are any abnormalities in the water connection, etc. When the water cooling system works normally and the water temperature drops below 30° C, try restarting the laser. If alarms continue to occur, please contact Raycus. In the event of a low temperature alarm, please check whether the actual water temperature of the chiller is too low. In addition, too low ambient temperature may cause a low temperature alarm when the laser is started in a cold state. If the above situation occurs, you need to wait until the water temperature of the chiller rises above 10° C before restarting the laser and try again. If alarms continue to occur, please contact Raycus.
Hum Alarm (condensation warning)	**Alarm description:** Condensation alarm inside the laser. The current water chiller temperature detected inside the laser is lower than the current dew point temperature inside the laser, and there is a risk of condensation. **Possible solutions:** Stop using the laser immediately. Please improve the working environment of the laser so that the ambient temperature is lower than the internal temperature of the laser before trying to restart the laser (it is recommended to configure an independent air-conditioned room for the laser). If alarms continue to occur, please contact Raycus.

In addition to the above situations, if you have any questions or alarms occur during the use of the laser,

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You can contact Raycus for help.

Alarm name	Alarm description and solutions
System Timer Alarm (System time error)	**Alarm description:** The internal clock of the laser is abnormal. **Possible solutions:** When this alarm occurs, please contact Raycus directly.
Laser On Button Alarm (Light button alarm)	**Alarm description:** The light emission button alarm occurs when the light emission button on the front panel of the laser is pressed before the laser is powered on. **Possible solutions:** When this alarm occurs, please power off the laser and keep the light enable button in the pop-up state. Power on the laser again to clear the alarm. If the alarm continues to occur, please contact Raycus.
Interlock Alarm (Interlock alarm)	**Alarm description:** Interlock alarm occurs when the laser Interlock is disconnected. **Possible solutions:** Short-circuit the Interlock pins. If the alarm continues to occur, please contact Raycus.
Current Driver Alarm (Current driver board alarm)	**Alarm description:** Current driver board alarm. This alarm occurs when the constant current driver board inside the laser is abnormal. **Possible solutions:** Try restarting the laser. If the alarm continues to occur, please contact Raycus.
Laser Out Alarm (Light alarm)	**Alarm description:** Light output alarm: If the laser has correct settings and has no light output, it will generate a light output alarm. The light alarm only occurs in the light state. **Possible solutions:** Try restarting the laser. If alarms continue to occur frequently, please contact Raycus.
Laser Power Alarm (Power alarm)	**Alarm description:** Power alarm: A power alarm is generated when the output power of the laser cannot reach the set value. The power alarm only occurs when the laser is emitting light. **Possible solutions:** Try restarting the laser. If alarms continue to occur frequently, please contact Raycus.

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ACDC1 Alarm (Power alarm 1)	**Alarm description:** Laser power alarm 1. The alarm may occur due to laser power failure or sudden power outage and restart of the power supply system. **Possible solutions:** Check whether the input AC voltage is normal. If it is normal, restart the laser and try.