

Alarm Function




HOT!

Before doing the check of the malfunction cause and recovery, always perform the power breaker of control panel "OFF".
The work with power "ON", causes the trouble and the accident.
Don't do absolutely.

When the malfunction occurs during operation of the equipment, the protection unit operates, the alarm character is displayed in the control panel and the alarm buzzer sounds and informs the malfunction.

When pushing key, the buzzer stops.

Alarm indication	Description	Remedy
Memory error (E 0)	Can not to read right the setting value that was memorized on the controller.	Once, tune on power once again after power being downed.
Negative phase (E 1)	It is in wrong phase operation. Or, it is doing missing phase.	3-phase power is not missing phase and it confirms power supplying. Makes the primary side power OFF and connecting and changing R phase (Red) and T phase (Black) of power code.
A dryer is overloaded (E 2)	The thermal relay of solenoid switch unit for the Drying blower trips. The regeneration blower and the circuit protector (CP-2) of dehumidifying material rotating motor protection tripped.	Turn OFF the electric power supply, and check for foreign object intruded in the movable part of blower body. Checkfilter for clog or dust accumulation. Check if the material and the foreign material is blockaded the conveying pipe inside. Press the solenoid switch reset button in the panel, and use the "RESET" switch in the alarm screen to restore the condition.

Alarm indication	Description	Remedy
<p>Overheat (E 4)</p>	<p>The attached thermostats of heater detected overheat.</p> <p>Occurs when the drying heater and regeneration heater reaches an abnormally high temperature.</p> <p>The unit is automatically shut off.</p> <p> DANGER</p> <p>The E4 alarm is an important alarm that detects abnormally high temperatures and automatically shuts the unit off.</p> <p>If improper measures such as modifying the unit to prevent the E4 alarm from being triggered are taken, the unit will continue to operate in a state of abnormally high temperature for a long period of time, which is extremely dangerous.</p> <p>Be sure to follow the correct measures as described in the column at the right.</p> <p>Replacement of parts should be conducted by a certified electrical engineer after turning off the power breaker.</p>	<p>Confirms whether or not that solid State contactor (SSR-1,2) is stopping, too, is not in ON condition. Replaces if it does ON condition.</p> <p>Refer to "Blower doesn't rotate", "A little air flow rate of blower" of "CHAPTER. Troubleshooting".</p> <p>After cooling for one hour or longer, press the CONTROL ON button.</p> <p>If the E4 alarm triggers again, the overheat protector is defective. Replace the recycle overheat protector.</p> <p>If the E4 alarm triggers again even after the recycle overheat protector is replaced, replace the drying overheat protector.</p> <p>Press the RUN/STOP key to operate the unit.</p> <p>Inspect the drying blower and replace the blower if it does not rotate.</p> <p>Inspect the recycle blower and replace the blower if it does not rotate.</p> <p>If the cause is not identified and the E4 alarm triggers again, an inspection by a service engineer is necessary.</p> <p>Contact our Service Division to request an inspection.</p>

Alarm indication	Description	Remedy
Disconnection of the dry temperature sensor (E 5)	A sensor for the dry temperature control was broken or the temperature detection became abnormal.	Confirm that it is normal to connect for the dry temperature sensor (Thermocouple).Also, confirm the short circuit and the disconnection.Replace a dry temperature sensor (Thermocouple) by need.
Disconnection of the regeneration temperature sensor (E 6)	A sensor for the regeneration temperature control was broken or the temperature detection became abnormal.	Confirm that it is normal to connect for the regeneration temperature sensor (Thermocouple).Also, confirm the short circuit and the disconnection.Replace a regeneration temperature sensor (Thermocouple) by need.
Disconnection of the dry loop (E 7)	It reports when the dry heater condition of 100 % of output continues in the setting time after the dry start-up (The condition where the dry hot air temperature doesn't rise even if it operates in the heating) when set to the detection time "dLP" of the dry loop disconnection in the time.	Confirm if the setting value of dry loop disconnection detection time "dLP" is short. Confirm if the dry ventilator (Blower) is fanning normally. The recovery of disconnection and replaces the defective parts after making the power OFF and confirming thermocouple (K1), heater (EH1), heater drive contactor (MC-0, SSR-1), disconnection of connection wire and defective operation.
Disconnection of the regeneration loop (E 8)	It reports when the condition of 100 % of regeneration heater output continues in the setting time after the dry start-up (The condition where the regeneration hot air temperature doesn't rise even if it operates in the heating) when set to regeneration loop disconnection detection time "rLP" in the time.	Confirm if the setting value of regeneration loop disconnection detection time "rLP" is short. Confirm if the dry ventilator (Blower) is fanning normally. The recovery of disconnection and replaces the defective parts after making the power OFF and confirming thermocouple (K2), heater (EH2), heater drive contactor (MC-0, SSR-2), disconnection of connection wire and defective operation.

Alarm indication	Description	Remedy
Upper limit temperature is Abnormal (E 9)	Emits when detection temperature "PV" of dryness or regeneration exceeds the deviation level with upper limit temperature setting value (Dry side "dUS", regeneration side "rUS") from setting value "SV" during dry operation. The operation has a standby sequence. When the setting value "SV" is downed, too, functions after once downed to the setting temperature.	The dryness and the setting temperature "SV" setting of regeneration confirm whether the dryness, and "dUS", "rUS" setting of the deviation with the temperature upper limit of regeneration are appropriate in the standard setting range. Check if the dryness or the fanning by the ventilator (Blower) of regeneration is normal. Also, checks the filter clogging. Returns to normal temperature and resets with <input type="checkbox"/> Reset <input type="checkbox"/> switch operating.
Lower limit temperature is abnormal (E10)	Emits when the detection temperature "PV" of dryness and the regeneration downs at the deviation above lower limit temperature provision fixed command (Dry side "dLS", regeneration side "rLS") than setting value "SV" during dry operating. As the operation attaches to the standby sequence, when ups the setting value "SV", too, it functions after reaching the setting temperature once.	Confirms the dryness or the setting temperature "SV" of regeneration. Checks the disconnection of heater. To dry or fanning of the ventilator (Blower) of regeneration is normal or confirms the filter clogging. Resets automatically when returns to normal temperature.