

Alarm Function

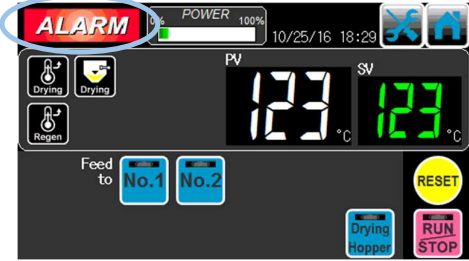
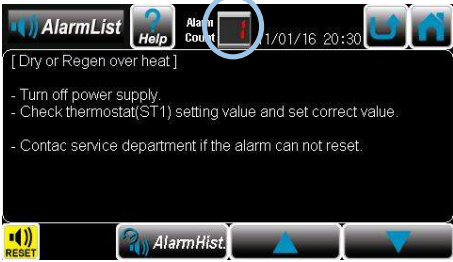
reset and fix in this machine.


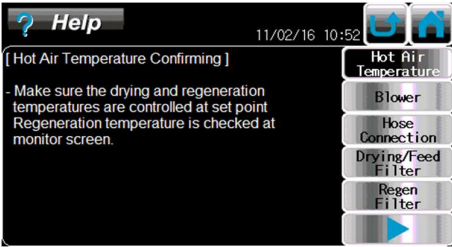
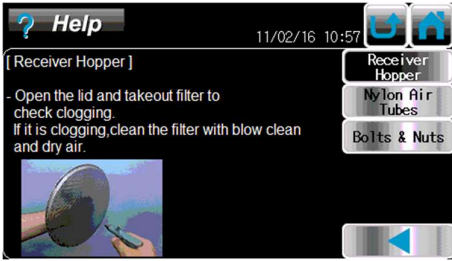

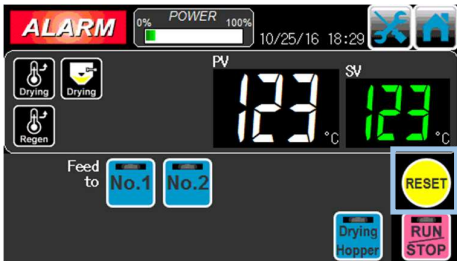

Please refer to [Chapter 2 Equipment Explanation-4.Name and function of each controller part of touch screen] concerning controller operations in different windows.

1. On alarm cause and reset

If abnormality occurs, buzzer on the operating panel rings. Meanwhile, **ALARM** flickers.



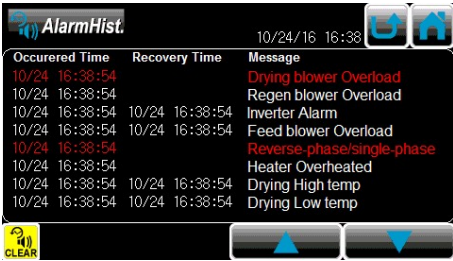


When alarm occurs, please follow below steps to confirm abnormality and identify the cause to eliminate them.

Steps	Operating Item	Operation Content / Operation Description
1	Buzzer stopping	<p>Please press ALARM in various windows. Buzzer stops working.</p> 
2	Confirm abnormality content	<p>Please press ALARM in various windows to go to [Alarm List] window. Please confirm abnormality content being occurred · quantity.</p> <p style="text-align: center;">AlarmList window</p>  <p>※If heater overheated, above window shows.</p>

Steps	Operating Item	Operation Content / Operation Description
3	Identifying the cause and reset	<p>(1) Please press [] on [AlarmList] window to go to [Help] window.</p>  <p>(2) To identify abnormality cause and the fix method by alternating between window labels and refer to its related help window.</p> 
4	Eliminate the alarm	<p>When the cause is identified and fixed up, please press  on the main menu.</p>  <p>※Under [Inverter alarm], please set the disconnecting switch in the electric-control box OFF and eliminate the alarms.</p> <div style="text-align: center;">  Caution </div> <p>Please make sure to turn disconnecting switch in electric-controlled box OFF before carrying any inspection and fixing task. To avoid any danger or accident, please do not perform any operation on this machine when the disconnecting switch is set ON.</p>

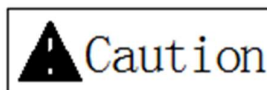
2. Confirmation of alarm situation

If you want to confirm alarm situation happened in the past, please follow below steps to go to 「Alarm Hist.」 window.

Steps	Operating Item	Operation Content / Operation Description
1	How to go to AlarmList window.	<p>You can press various windows name to go to [AlarmList] window.</p> 
2	Confirm alarm history	<p>Please press [] on [AlarmList] window to go to [Alarm Hist.] window and see past alarms and their date and time occurred.</p>  <p>When alarm history reaches to more than 8 items, please press [] [] to confirm alarm history which is not shown on this window.</p>




3. Alarm list

Please follow below steps to see alarm contents, perform reset and confirm solution.





When alarm couldn't be reset, that may result in malfunction, please contact with Matsui.

Alarm display	Content	Reset / Solution	Reference
Drying blower overload	Thermal relay FR1A used with drying blower M1A tripped. Device stops operating automatically.	Please set main switch QS1 OFF (○) and cut off electricity power supply. Please clean filter blocking. Please press thermal relay reset button inside the electric-controlled box to reset the tripping.	Prepare supply power
Regen blower overload	Thermal relay FR1B used with regeneration blower M1B tripped. Device stops operating automatically.		
Inverter alarm	Inverter U1 is not working normally. Device stops operating automatically.	Please set main switch QS1 to OFF (○), in no less than 20 seconds, please set QS1 to ON (I), and connect power supply again.	Prepare Supply power
Feed blower overload	[MJ5-i-150~650] Motor-protective circuit-breaker QM1 used with feed blower M2 tripped. [MJ5-i-1500] Inverter U2 is not working normally. Device stops operating automatically.	Please set main switch QS1 OFF (○) and cut off electricity power supply. Please clean filter blocking. Please clean blocking inside convey piping. [MJ5-i-150~650] Please open electric-controlled box, rotate motor-protective circuit-breaker QM1 handle to ON ().	Prepare Supply power

Alarm display	Content	Reset / Solution	Reference
Heater overheated	<p>Thermostat ST1, ST2 attached to dry heater EH1[EH10/EH11] or regeneration heater EH2 is inspected overheat. Device stops operating automatically.</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 heater overheated 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 heater overheated 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>Please operate main switch and cut off power supply.</p> <p>Please rotate graduated disc inside of electric-controlled box, and set thermostat ST1 a proper value.</p> <p>After cooling for one hour or longer, press the  switch.</p> <p>If the heater overheated alarm triggers again, the overheat protector is defective. Replace the regeneration overheat protector.</p> <p>If the heater overheated alarm triggers again even after the regeneration overheat protector is replaced, replace the drying overheat protector.</p> <p>Press the  key to operate the unit.</p> <p>Inspect the drying blower and replace the blower if it does not rotate.</p> <p>Inspect the regeneration blower and replace the blower if it does not rotate.</p> <p>If the cause is not identified and the heater overheated alarm triggers again, an inspection by a service engineer is necessary.</p> <p>Contact our Service Division to request an inspection.</p>	<p>Prepare for operation</p> <p>Set overheat preventor temperature</p>
Drying high temp	<p>Dry temperature exceeds upper limit set value. Device stops operating automatically after cooling.</p>	<p>Please set upper limit of drying temperature deviation value to a proper one (initial value: 10°C/18°F)</p> <p>Please clean filter blocking.</p>	<p>Prepare for operation</p> <p>Set controller</p>
Drying low temp	Drying temperature lower than	Please set lower limit of drying	Prepare for

Alarm display	Content	Reset / Solution	Reference
	the lower limit set up value. Device keeps operating.	temperature deviation value to a proper one (initial value: 10°C/18°F) Please clean filter blocking.	operation Controller setting Prepare for operation Supply power
Regen high temp	Regeneration temperature exceeds the upper limit set value. Device stops operating automatically after cooling.	Please clean filter blocking.	
Regen low temp	Regeneration temperature lower than the lower limit set value. Device keeps operating.	Please clean filter blocking.	
Drying temp sensor alarm Dry exhaust sensor alarm Regen temp sensor alarm	Temperature sensor is inspected abnormal. Deviec stops operating automatically.	Please contact Matsui.	

Alarm Display	Content	Reset / solution	Reference
Dry setting error	Drying temperature set up value can not be written in normally.	Please contact Matsui.	
Dry exhaust setting error	Dry exhaust temperature set up value can not be written in normally.		
Regen setting error	Regeneration temperature set up value can not be written in normally.		
Honeycomb rotating alarm	The absorbing cylinder to dehumidifying unit is not rotating normally.	Please contact Matsui.	
Drying hopper feed alarm	Even though feed-in convey to the drying hopper is continued, it still can not reach full level. Even though feed-out convey is continued, the level switch not yet to give out feed signal.	Please make up feed to convey side. Please repair cracked convey piping or hose, or replace them with a new one. Please fix improper connection between pipes and hoses.	
No.1 feed alarm	Even though convey to No.1 direction is continued, receiving hopper not yet to reach full level.	Please remove convey pipe and hose blocking.	
No.2 feed alarm * Optional mechanism	Even though convey to No.2 direction is continued, receiving hopper not yet to reach full level.	Please adjust receiving hopper level switch. Please set the value of convey abnormality to a proper one.	
Dust cleaning	Convey frequency has amounted to that of dust collecting bin cleaned set.	Please clean dust collecting bin. Release alarm by operating [] on "Home".	

Alarm Display	Content	Reset / Solution	Reference
Temp control unit alarm	Temperature adjust not function normally	Set main switch QS1 OFF (○), in no less than 20 seconds, please set QS1 ON () and connect power supply again.	
PLC alarm	Device is not functioning normally.	Cut off main switch QS1 (○), in no less than 20 seconds, please set QS1 ON (), and connect power supply again.	
PLC battery alarm	PLC inlaid battery power voltage is very low.	<p>Make sure power supply has been connected for more than 5 minutes and set main switch QS1 OFF (○).</p> <p>Make sure contact and inlaid condition of the battery plug-in unit inside of the blind flange of CPU component D12 of PLC inside of the electric-controlled box is ok, if any problem, please reconnect.</p> <p>If necessary, please replace battery plug-in unit and replace a new battery in 5 minutes.</p>	
Touch panel battery alarm	Inlaid battery of touch screen (Programmable display) is very low.	<p>Make sure power supply connected for more than 1 minute, and set main switch OFF (○).</p> <p>Please make sure the contact and inlaid condition of battery plug-in unit in inner-side of blind flange of electric-controlled box that is of touch screen D2 on operating panel is ok. If any problem, please reconnect.</p> <p>If necessary, please replace battery plug-in unit and replace a new battery in one minute.</p>	
Main power supply is shut off	Main power supply is shut off during a drying operation.	Release alarm by operating [] on "Home".	