Platinum Plus Emergency Card
(P-PP-EM-S-30AV2)
User and Installation Guide

The Emergency Card can provide emergency operation of 5 Normally Closed outputs in the event of main controller failure. The card features:

- Independent CPU
- Independent temperature sensor
- Battery and charger connection
- Battery status.

The 5 Normally Closed outputs are UL rated at 1.5 HP, 220 Volt, and recommended for use with up to 1 HP 220 Volt fans, or ½ HP 110 Volt devices. Most poultry producers will connect the ventilation system in order to maintain minimum ventilation during emergencies. Many prefer to connect tunnel curtain open or side inlet open to provide air in emergencies.

The emergency card functions transparently during normal operation of the Platinum Plus. It assumes command as an emergency card in the following situations:

1. Lack of communication between the CPU and the emergency card. In this case there are two options:
   a. Minimum/Transitional ventilation: if the Platinum Plus was not in tunnel operation, the Emergency card will operate according to the target temperature.
   b. Tunnel Ventilation: if the system was in tunnel mode, the Emergency card will operate according to the tunnel entry temperature.
2. High/Low temperature override: the emergency card will operate according to the emergency temperature set points (one for low and one for high temp). In this case, the emergency card can **only turn a relay on, but not off** so it functions similar to standard backup thermostats operating in parallel to normal relays.

The Emergency card saves settings in a non-volatile memory device. This is updated twice a day by default and also in the following cases:

- A change in the emergency settings in the controller.
- A change of 0.2º or more in the target temperature.
- After any changes through communication.
- After a change in growth day (manual or automatic in midnight).
- After reset.
- After reading from the plug.

Program emergency card outputs in the standard INSTALL, RELAY LAYOUT menu. You can program any relay function to the emergency card, and it will operate as usual during normal operation. When in emergency, the relays fall into five groups:

1. Heaters, Radiant Heaters (lo, hi, ignite).

Program the differential below the target temperature for the heaters to operate in an emergency status

2. Fans, Stir Fans, Tunnel Fans, Exhaust Fans.
   a. Program the differential above the target temperature for the fan to operate.
   b. If the growth day passes the day you set in the day column the fans will work constantly so for constant operation in emergency status set the growth day on 1. If the day you set is prior to the growth day the fan will work according to the cycle you set so if the growth day is set on 0 the day column is ignored and the controller will work on cycle only.

3. Cooling, Foggers.
   Can program the differential above the target temperature for the cooling/foggers to operate during emergency operation.

4. Curtains, Inlets.
   Program any of the functions to be either on or off with a 5 second delay. However, if you set curtain 1 open ON, you cannot set curtain 1 close ON. The system does not allow simultaneous OPEN and CLOSE emergency operations.

5. Extra System, Feed, Light, Alarm.
   Program as ON or OFF function in case of emergency.

EMERGENCY SETTINGS	
Diff Above Target For Emergency	15
Diff Below Target For Emergency	-5
Min. Vent On Time Day 1 (Sec)	30
Min. Vent Off Time Day 1 (Sec)	270
Min. Vent On Time Day 21 (Sec)	300
Min. Vent Off Time Day 21 (Sec)	0

Enter the temperatures for Emergency Override in MANAGEMENT, EMERGENCY SETTING, Help, and Set. The temperatures are differentials from Target or Set Temperature. For minimum ventilation, enter the on and off timer values for growth day 1, and for growth day 21. The Platinum Plus Emergency Card interpolates between day 1 and day 21. You can check the interpolation in TEST, EMERGENCY STATUS.

EMERGENCY SETTING				
Relay	Function	Diff.	Day	Operation
31	Inlet Open 2	0.00		on
32	Exhaust fan6	0.00	3	M.Vent
33	Exhaust fan7	0.00	0	Temp
34	Tunnel fan 8	0.00	0	Temp
35	Tunnel fan 9	0.00	0	Temp

The operation column can be set as minimum vent or temp. If set on M.Vent, the fan will cycle any time the temperature is below target + diff and run constantly if above. If the fan is set to **on** it will work constantly above target + diff and will be shut down below it. The Day column selects the

growth day from which that fan operates full time, unconditionally in emergency. That means it runs in emergency without regard to temperature.

Environmental Protection

Recycle raw materials instead of disposing as waste. The controller, accessories and packaging should be sorted for environmental-friendly recycling. The plastic components are labeled for categorized recycling.

Wiring Diagram

To Battery

+
-

+
-

L2 (115VAC)
L1 (115VAC)

ROTEM Computerized Controllers Ltd. ☎ **972-3-920-6200** ☎ **FAX: 972-3-924-9834 ISRAEL**
Web site- www.rotem.com Email- rotem@rotem.com

4