LGR Industrial Dehumidifiers
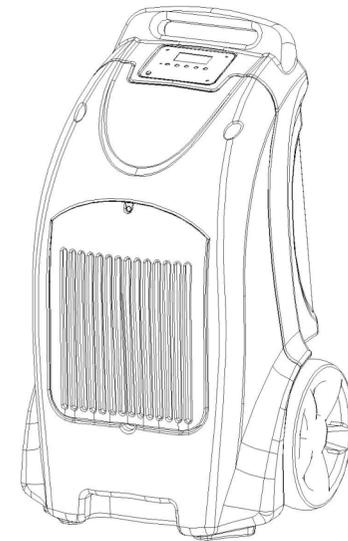
With Humidistat & Timer Control

240V Models: Belta 401, 601, 801, 1001

DECLARATION OF CONFORMITY $C \epsilon$

We, declare under sole responsibility that our models (Belta 401, 601, 801 and 1001) to which this declaration relates are in conformity with the following standards :

EMC :

    EN 55014 - 1:2006,   EN 55014-2:1997+A1:2001

        Electromagnetic Compatibility: emission requirement

    EN 61000 - 3 - 2:2006,   EN 61000-3-3:1995+A1:2001+A2:2005

        Electromagnetic Compatibility: emission requirement.

LVD :

    EN 60335 - 1: 2002+A1:2004+A11:2004+A12:2006+A2:2006

        Safety of household and similar electrical appliance

      -    General requirements.

    EN 60335 - 2-40: 2003+A11:2004+A12:2005+A1:2006

        Particular requirements for electric heat pumps,

        air conditioners and dehumidifiers.
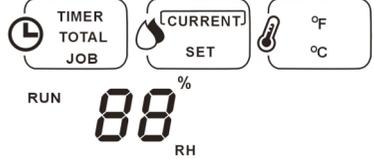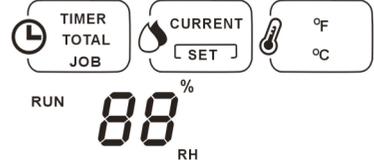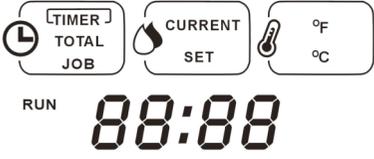
Belta

Design and Development

How to Use the Touch Pad Control Panel with Humidistat

- LCD Display X 1
- Indication Light (Red/Green) X 1
- Five keys (From left to right): ON/OFF Key X 1; MENU Key X 1; ADJUSTMENT Key X 1; START/STOP Key X 1; PURGE Key X 1

LCD Display:

	DEHUMIDIFIER ON.
	FAN ON.
	PURGE ON. The pump is on and it is pumping water out of the reservoir tank.
	DEFROST ON. Frost forming on the coils, defrosting cycle start.
	DELAY BAR
	SERVICE.
RUN	**RUN Mode. DEHUMIDIFICATION is ON.**
SLEEP	**SLEEP Mode.** DEHUMIDIFICATION is OFF. It automatically goes back to Running Mode again when the ambient humidity is higher than the preset humidity.

LCD Display – Cont.

TIMER TOTAL JOB / [CURRENT] SET / °F °C / RUN **88**% RH	**"CURRENT" HUMIDITY.** When the machine is turned on, the default display function goes to "CURRENT" HUMIDITY. "CURRENT" wording in the square box will flash for 3 sec and 2 digits Relative Humidity figures display the current ambient humidity.
TIMER TOTAL JOB / CURRENT [SET] / °F °C / RUN **88**% RH	**"SET" HUMIDITY.** While "SET" HUMIDITY function is chosen, "SET" wording in the square box will flash for 3 sec and the bottom 2 digits Relative Humidity figures also flash continuously until the user set the desired humidity which is from 25% to 80%. "- - %RH" is the value beyond this range, which read as nonstop dehumidification.
[TIMER] TOTAL JOB / CURRENT SET / °F °C / RUN **88:88**	**"TIMER" CLOCK.** While "TIMER" CLOCK time is chosen, "TIMER" wording in the square box will flash for 3 sec. The bottom four digits show how many *HOURS and MINUTES* the "TIMER" is. In STANDBY mode, the four digits (- - : - -) flash continuously until user sets the TIMER from 00:10 to 23:50 hours. Once the "TIMER" is set and machine starts running, the four digits displays remain running time of the current TIMER., "- - : - -" is the value beyond this range, which read as nonstop dehumidification.

- *Inspect filter.* Look for accumulated dust and dirt that would restrict airflow through the filter into the unit. If any is visible, vacuum out the debris. **Do not wash the filter**, as it will reduce the effectiveness of the electrostatic material.

Important: Replace the filter whenever

- It has been vacuumed clean 3 times.
- It has been used on a mold remediation job.

Periodically Inspection (as needed)

Make sure the unit is unplugged. Remove housing, in order to locate the coil, pump and drain hose.

- Check coil and clean visible dirty
  - Vacuum both sides of the coils until clean.
- Check pump
  - Inspect and clean the pump system regularly to maintain effective operation. Remove one screw to open up the top cover, and then open up the second cover. Clean the float shaft to make sure the floating switch can operate smoothly.
- Check drain hose
  - Look for obstructions. Disconnect and clear any debris present.

Warranty

Belta warrants to the original purchaser that if within a period of 12 months from the date of purchase this equipment is found to be defective either in original materials or workmanship, other than that of fair wear and tear, the faulty part will be replaced free of charge upon presentation of the appropriate evidence, providing the unit is returned to the original supplier.

Error Messages

Message	Icon	Description
Er00	**"PUMP ON"** flashing	Problem with pump or pump tube is kinked.
Er01	N/A	Check coil temperature sensor at the side of coil and its sensor cable.
Er02	N/A	Check ambient temperature sensor in the front of the coil and its senor cable.
Er03	N/A	Check humidistat sensor in the front of the coil.

Note:.
- When Er00, Er01, Er02 or Er03 error message comes up, the dehumidification will stop automatically. The machine will be back to STANDBY MODE and it won't be automatically turn off unless you do so. Contact your local distributor for service.

Indication Light:

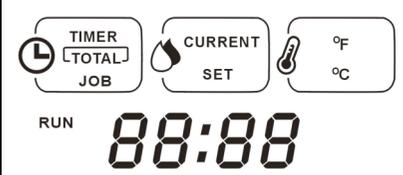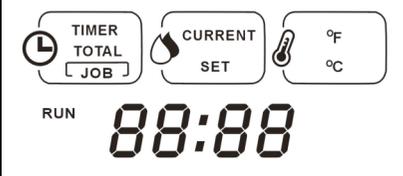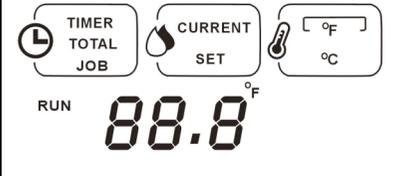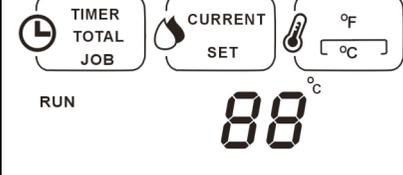| Status	Colors	Description
Off	N/A	Machine has been turned off.
On	Red	Machine has been turned on.
On	Green	Machine start dehumidification.

Maintenance

WARNING! Always unplug any dehumidifier before performing maintenance procedures.

Before Each Use

- *Inspect the electrical cord for damage.*
- *Inspect pump tube.* Make sure the pump tube is completely unwrapped and not kinked. Failure to do so can cause water to back up in the pump and leak out. The control panel may signal this problem by displaying "ER00"

LCD Display – Cont.

	"TOTAL" CLOCK. While "TOTAL" CLOCK time is chosen, "TOTAL" wording in the square box will flash for 3 sec. The 4 digits show how many *DAYS* the machine has been used.
	"JOB" CLOCK. While "JOB" CLOCK time is chosen, "JOB" wording in the square box will flash for 3 sec. The four digits display how many *HOURS and MINUTES* either the CURRENT JOB is running or the LAST JOB has been run.
	"°F" TEMPERTURE. While "°F" TEMPERTURE function has been chosen, "°F" wording in the square box will flash for 3 sec and 3 digits figures display the current ambient "°F" temperature.
	"°C" TEMPERTURE. While "°C" TEMPERTURE function has been chosen, "°C" wording in the square box will flash for 3 sec and 2 digits figures display the current ambient "°C" temperature.

Touch Pad Keys:

⊙|●	**ON/OFF.** Press the ON/OFF key to turn the machine on or off. ● When turning the machine on, the machine is under STANDBY MODE. The red indication light and LCD light up. LCD displays CLOCK icon; "TIMER", "TOTAL" and "JOB" wordings; HUMIDITY icon, "CURRENT" and "SET" wordings; TEMPERTURE icon; "□" and "℃" wordings. The default function is "CURRENT" HUMIDITY. "CURRENT" wording in the square box will flash for 3 sec. Press the "START/STOP" KEY to start the nonstop dehumidification.. ● Press the ON/OFF key again to turn the machine off. The red indication light and LCD light off. **Note**: In STANDBY MODE, the machine can also be automatically turned off if there are no other keys pressed within 3 minutes.
📖	**MENU.** Press the MENU key each time to choose the "CURRENT" HUMIDITY, "SET" HUMIDITY; "TIMER" CLOCK, "TOTAL" CLOCK, "JOB" CLOCK; "^{o}F" TEMPERTURE, "^{o}C" TEMPERTURE functions sequentially. ● In STANDBY MODE, the default function is "CURRENT" HUMIDITY, ● When error messages are on, "TIMER" CLOCK, "TOTAL" CLOCK, "JOB" CLOCK; "SET" HUMIDITY; "CURRENT" HUMIDITY, "^{o}F" TEMPERTURE, "^{o}C" TEMPERTURE icons & wordings are disappear. Press MENU key again to get back those displays.
↻	**Adjustment.** Press the "Adjustment" key, the timer time and preset humidity figures can be adjusted as you desire. ● In "SET" HUMIDITY function, the preset humidity range is from 25% to 80%. It increases by 5% for every press ● In "TIMER" CLOCK function, the "TIMER" time setting range is from 00:10 to 23:50. It increases by 10mins for every key press Press this key without releasing; either the preset humidity or the timer can be adjusted continually.

Touch Pad Keys – C

⇶	**START/STOP.** Press the START/STOP key to start or stop the dehumidification. ● When dehumidification starts, the machine performs a compressor delay. The delay is up to a maximum of 180 seconds. (30 seconds delay for the first startup). The DELAY BAR flashes during this delay period. ● While the dehumidification is on, the display reads "DEHUMIDIFIER ON" & "FAN ON" icons. ● In "CURRENT" HUMIDITY, "TOTAL" CLOCK, "JOB" CLOCK, "^{o}F" TEMPERTURE, "^{o}C" TEMPERTURE functions, it runs as nonstop dehumidification. RUN Mode is on. ● In "SET" HUMIDITY function, when the ambient humidity is lower than the preset humidity, the dehumidification stops and machine goes into SLEEP Mode. When the ambient humidity is higher than the preset humidity, the dehumidification goes back on again and machine goes into RUN Mode. When preset humidity is set as "- - : - -", the machine runs as nonstop dehumidification. ● In "TIMER" CLOCK function, the dehumidification stops automatically as the "TIMER" set. When the time is set as "- - : - -", the machine runs as nonstop dehumidification. RUN Mode is on. Press the START/STOP key again to stop the dehumidification. The "DEHUMIDIFIER ON" & "FAN ON" icons come off while the dehumidification stops.
⎘	**PURGE.** Press the PURGE key to empty water from the pump reservoir. During the normal operation, the pump purges automatically whenever the reservoir is full. The display will read PURGE ON icon. TO PURGE THE PUMP MANUALLY BEFORE TRANSPORTATION: ● Stop the dehumidification using the START/STOP key, and let the unit sit for about 10mins. This allows water to drip from the coils. ● Press PURGE to remove residual water.