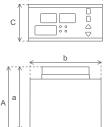


PANEL TYPE MUSHROOM FARM CONTROL DEVICE

KC-720 **USER MANUAL**





5	Sizes				
Α	93 mm				
B 96 mm					
С	48 mm				
а	81,5 mm				
b 92,5 mm					
С	44,25 mm				

WHAT IS IT?

The panel-type mushroom farm control device allows you to precisely measure temperature, relative humidiy and carbon dioxide levels and control your connected systems within desired ranges. Enables you to perform time-dependent lighting.

HOW DOES IT WORK?

It operates with a 220 V AC power supply. Depending on the connected temperature, humidity and CO2 systems, control can be achieved directly via the controller or through a contactor.

GENERAL FEATURES

Accurate and Precise Measuring, 4 Relay Outputs, Durable and Handy Design, Long Operating Life, Cleanable Filter, Panel Type Mounting, Adjustable Relay Sensitivity

TECHNICAL DATA

^{*} With sintered sensor.

If he device is to be used outside the operating temperature, the manufacurer must be informed and approval must be obtained.

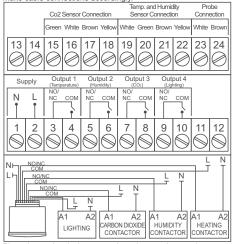
RULES TO BE CONSIDERED FOR SAFETY

- 1- Always read the user manual before using the device and its apparatus.
- 2- Damages caused by opening, breaking or misuse of the plastic parts of the device and its apparatus are considered out of warranty.
- 3- Keep the device and its apparatus away from external influences
- such as liquid, high dust, high temperature, etc. and protect them. 4- Do not expose the device cables to any jamming and pressure.
- 5- Disconnect the electrical power when your device is not used for a long time.
- 6- Our devices and apparatus should be used by paving attention to the points in the user manual. In case of damages and malfunctions arising from external use (liquid contact, falling to the ground, etc.) ask for help from the service.
- 7- Failures due to electrical connection errors and electrical voltage or current errors are not covered by the warranty.

INSTALLATION

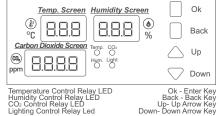
1- Remove the product from its packaging

2- Make cable connections accordingly.



3- Place the product in the appropriate place on the panel.
4- After the product is powered on, all screen LEDs will light up for 15 seconds. Then, the temperature and humidity values will appear on the screen. The word "OPEN" will appear on the carbon dioxide screen for 15 seconds. After that, the screen will switch to the normal operating screen. It is recommended that the product remain in the environment for at least 5 minutes to obtain accurate measurement values. 5- It is recommended to use shielded cable as communication cable as it will prevent communication signals from being affected by external influences. 6- Since the communication cable will create resistance, check the measurement values again after cable installation.

MAIN SCREEN



STARTUP SCREEN

ĺ	,,,,,,,,,			•				
	888 888	Ok Back	→	-43 38 OPEN::	Ok Back	→	-43 38 2500::	Ck Black Up Down

When power is supplied, all screen LEDs light up for 15 seconds. The carbon dioxide sensor is allowed to warm up. OPEN appears on the screen for 15 seconds. The device then switches to the normal operating screen and the carbon dioxide data appears on the screen.

SET, HYSTERESIS VALUE, AND RELAY POSITIONS

While in the main menu, holding down the "Up" button displays SET, 1750 88 holding down the "Down" button displays the HYSTERESIS values. and holding down the "Back" button displays the RELAY positions. NE 88 **ERROR DISPLAY**

If communication with any of the sensors is lost, the word "Err" appears on the sensor's screen, and the relay does not activate.

PRE-PROGRAMMING MENU

While in the main menu, holding down the C button for 5 seconds enters programming mod Using the directional buttons, you can naviga through the program options in sequence. T Back button returns to the main menu.

OK le. ite	-43 38 2500 * *	□ Ck □ Back □ Up □ Down	
he	Pr9 5EH	Ck Back	
the	menu in sea	lience.	

THE IONOW	ing program options are available in the me	
SEH	Set Settings Menu	Pr9 (5EH)
HI 5	Hysteresis Settings Menu	P-9 HI 5
BA9	Lighting Settings Menu	Pr9 Rya (
Vhon the	manu you want to antar is diaplayed on th	o ceroon pro

viner the menu you want to enter is displayed on the screen, press and hold the OK button for 3 seconds to enter that menu. You can payingto between menu and the screen services to the screen of the navigate between menu options using the arrow keys. Press the Back button to return to the main menu.

1- SETTINGS MENU "SEt"

When in the main menu, holding down the OK -43 38 button for 5 seconds will enter programming mode. When entering the programming menu, the first program option that appears is the "SEt" set settings menu. Holding down the OK button for 3 seconds will enter this menu. You can navigate through the program options in order using the direction buttons. You can return to the main menu using the Back button.

The follow	ring program options are available in the r	nenu in sequen
SHS	Temperature Set Value	SEF SFS (
↓ SHH	Humidity Set Value	SEH SHH
<u>5+</u> [Carbon Dioxide Set Value	SEH SHC

When the menu you want to enter is displayed on the humidity screen, press and hold the OK button for 3 seconds to enter that menu. The current value can be increased or decreased using the arrow keys, or the mode can be changed if available. You can return to the previous menu by pressing the Back button.

2- HÝSTERESIS SETTING MENU "HIS"

When you are in the main menu, press and he the OK button for 5 seconds to enter programm mode. The second program option that appear when you enter the programming menu is the "HIS" hysteresis setting menu. Press and hold the OK button for 3 seconds to enter this men Use the arrow keys to navigate through the program options in order. Press the Back butt to return to the main menu.

old ning ars	-43 38 2500 * *	□ Back □ Up □ Down		
l u.	Pr9 HI S	Ck Down		
on	HI 5 H55	Ck Back Up Down		
the menu in coguence:				

The following program options are available in the Temperature Hysteresis Value 0.5 HSH **Humidity Hysteresis Value** 300 Carbon Dioxide Hysteresis Value

When the menu you want to enter is displayed on the humidity screen holding down the OK button for 3 seconds will enter that menu. The current value can be increased or decreased using the directional buttons, or the mode can be changed if available. The Back button can be used to return to the previous menu

2- LIGHTING SETTING MENU "AYd"

When you are in the main menu, press and hold the OK button for 5 seconds to enter programming mode. The second program option that appears when you enter the programming menu is the "AYd" lighting setting menu. Press and hold the OK button for 3 seconds to enter this menu. Use the arrow keys to navigate through the program options in order. Press the Back button 05 :: to return to the main menu. The following program options are available in the menu in sequence

BAR LEB H Manual Setting **Time Setting** 22A 88 **Time Setting Duration** 2cA When Open **Time Setting Duration**

When the menu you want to enter is displayed on the humidity screen holding down the OK button for 3 seconds will enter that menu. The current value can be increased or decreased using the directional buttons, or the mode can be changed if available. The Back button can be used to return to the previous menu.

PROGRAMMING MENU

While in the main menu, holding down the OK button for 5 seconds enters programming mode Using the directional buttons, you can navigate through the program options in sequence. The Back button returns to the main menu.

The following program options are available in the menu in sequence

When Closed

ГA	Relay Settings Menu	P-9 -L4
↓ 与	☐☐☐ Time Settings Menu	P-9 -2n
T5	Sensor-Connected Relay Time Setting Menu	P-9-L2
5r ↓ iEn	Sensor Response Time Settings Menu Sensor Settings Menu	Pr9 F5r
AL	Calibration Menu	P-9 CRL
SH.	Factory Reset Settings The only option in the reset menu is "-rSt."	Pr9 r5+ {

Holding down the OK button for 10 sec in this menu will reset all parameters to their factory default settings. When the menu you want to enter is displayed on the screen, press

and hold the OK button for 3 seconds to enter that menu. You can navigate between menu options using the arrow keys. Press the Back button to return to the main menu.

1- RELAY SETTING MENU "rLY"

While in the main menu, holding down the OK button for 5 seconds enters programming mode. The third program option that appears when entering the programming menu is the "rLY" relay settings menu. Holding down the OK button for 3 seconds enters this menu. Using the directional buttons, you can navigate through the program options in order. The Back button can be used to return to the main menu. The following program options are available in

no :: the menu in sequence **Temperature Relay Position Humidity Relay Position** -LH 1

Carbon Dioxide Relay Position When the menu you want to enter is displayed on the humidity screen holding down the OK button for 3 seconds will enter that menu. The current value can be increased or decreased using the direction keys, or the mode can be changed if available. You can return to the previous menu using the Back button.

Selection range: NO // NC // on // oFF // rZn

* "rZn" is the time setting menu. You can enter the time setting menu by pressing the Set button.

no ::

1.1- TIMING SETTING MENU "rZn"

After navigating to the "rZn" option in the "rLY relay setting menu using the arrow keys, pres and hold the Set button for 3 seconds to ente this menu. You can navigate between menu options using the up and down arrow keys. Press the Back button to return to the main

m	::	anck Up Down
ss	-L5 -2n	Ck Back
	-2n 2on	Ck C

The following program options are available in the menu in sequence

Time Setting Open Duration **Paper** Time Setting Closed Duration

			1 0 0	₩
2- SENSOR-CONNECTED	RELAY	TIME	SET	ΓING
MENU "rLZ"				

When you are in the main menu, press and hold the OK button for 5 seconds to enter programming mode. The second program option that appears when you enter the programming menu is the "rLz" relay timing setting menu. Press and hold the OK button for 3 seconds to enter this menu. Use the arrow keys to navigate through the program options in order. Press the Back button to return to the main menu.



* To activate the sensor-connected relay's time setting menu, "SNO" or "SNC" must be selected from the relay settings menu. Otherwise this menu will not be active.

The following program options are available in the menu in sequence;

500	Temperature Duration When Open	-L2 500
SoF	Temperature Duration When Closed	rL2[5:5]
Hon	Humidity Duration When Open	FL2 Hon
HoF	Humidity Duration When Closed	rL2 HoF
[on	Carbon Dioxide Duration When Open	rL2[con]
CoF	Carbon Dioxide Duration When Closed	FLZ CoF

When the menu you want to enter is displayed on the screen, press and hold the OK button for 3 seconds to enter that menu. You can navigate between menu options using the arrow keys. Press the Back button to return to the main menu

3- SENSOR RESPONSE TIME SETTINGS MENU "tSr"

When you are in the main menu, press and hold the OK button for 5 seconds to enter programming mode. When you enter the programming menu, the third program option that appears is the "tSr" sensor response time settings menu. Press and hold the OK button for 3 seconds to enter this menu. Use the arrow keys to navigate through the program options in order. Press the Back button to return to the main menu.

		Out
The follow	wing program options are available in the m	enu in sequence
F55	Temperature Sensor Response Time Level	F5r F55 4 :: 4
F5H	Humidity Sensor Response Time Level	F5 F5 H
H5C	Carbon Dioxide Sensor Response Time Level	F5- F5E

When the menu you want to enter is displayed on the humidity screen, press and hold the OK button for 3 seconds to enter that menu. Use the arrow keys to increase or decrease the current value or change the mode, if available. Press the Back button to return to the previous menu.

4- SENSOR SETTINGS MENU "SEn"

When in the main menu, holding down the OK button for 5 seconds will enter programming

mode. The fourth program option that appears	[2300]	□ □
when entering the programming menu is the "SEn" sensor response time settings menu. Holding down the OK button for 3 seconds will enter this menu. You can navigate between the	Pr9 5En	
program options in order using the arrow keys.		0 °
You can return to the main menu with the back	SEn FEn	□ 0.
button.		Δ "
Dullon.	0r+ 00	∇
The following program options are available in the menu in sequence;		
⊢[_ Control Temperature Setting Me	nu SEN FO	ةِ ك
→ □ ← Ort: Ambient Temperature	UrF 00	
Prb: Probe Temperature	SEn (nh	.F]0
NTC Conser Coffing Manu	[3511][111	ں ل

NTC Sensor Setting Menu □FF :: 4 Fan Humidity Mode

When the menu you want to enter is displayed on the humidity screen, press and hold the OK button for 3 seconds to enter that menu. Use the arrow keys to increase or decrease the current value or change the mode, if available. Press the Back button to return to the previous menu.

5- CALIBRATION SETTINGS MENU "CAL"

When in the main menu, press and hold the OK button for 5 seconds to enter programming mode. The fifth program option that appears when entering the progr is the "CAL" calibration and hold the OK buttor this menu. The program navigated using the dir button can be used to

CAL" calibration settings menu. Press old the OK button for 3 seconds to enter	P-9 [AL]	Back Up Down
enu. The program options can be ted using the direction keys. The back can be used to return to the main menu.	CAL CAS	Ck Dack
Temperature Calibration The sensor settings menu works if "Prb" is active at the control temperature.	CRL CR	
Carbon Dioxide Calibration	IBD 88	기 [

-43 38

SEN FAH

CACI Carbon Di

Grifs tuşuna 10 saniye boyunca basilı tutlulursa
Grifs tuşuna 10 saniye boyunca basilı tutlulursa
kalibrasyon başlar. Kalibrasyon başladıktan 5 saniye sorın ana menüye geçiş
yapılır. Ana ekranda sistem çalışırken karbondiciksit ekranında geri sayım devam
eder. Kalibrasyon sürrəsi 180 saniyedir. Kalibrasyon tamamilanınca sistem normal
seklide devam dedir. Kalibrasyon aşamasında rüle yol vermez.
Dotomatik Kalibrasyon: Cihizda olomatik kalibrasyon vardır. Sensör 380 ppm
attına düştüğinde olomatik kalibrasyon başladığında

ekranda AUC yazısı 3 kez yanıp söner ve ardından sensör 400 ppm olacak şekilde

PROGRAMS

"SEt" Set Settings Menu	Default	Range / Option
"StS" Temperature Set Value	20 °C	(-40)-(+60)°C
"StH" Humidity Set Value		
"UIS" Hystorosis Sottings Monu	· ·1.000 ppm0-5.0	000 / 0-10,000ppm
"HSS" Temperature Hyeteresis Value	0.5°C	Natige / Option
"HSH" Humidity Hysteresis Value		0-0.9 %
"HSC" Carbon Dioxide Hysteresis Valu	ue . 250 ppm	0 - 1.000ppm
"AYd" Lighting Settings Menu	Detault	Range / Option
"SEt" Set Settings Menu "SIS" Temperature Set Value. "SIH" Humidity Set Value. "SIH" Humidity Set Value. "SIC" Carbon Dioxide Set Value. "SIC" Settings Menu "HIS" Temperature Hysteresis Value. "HIS" Temperature Hysteresis Value. "ISS" Temperature Hysteresis Value. "ISS" Temperature Hysteresis Value. "Ard" Lighting Settings Menu "FEA" Manual Setting Juration Whe "LY" Real Setting Duration Whe "LY" Real Setting Menu "ILS" Temperature Relay Position "ILH" Humidity Relay Position "ILC" Carbon Dioxide Relay Position "ICC" Carbon Dioxide Relay Position "Normally Open"	Default	Range / Option
"ZcA" Time Setting Duration Whe	en Open 0 hour	0-24 hour
"rLY" Relay Settings Menu	n Closed 0 hour Default	Range / Option
"rLS" Temperature Relay Position	NO NO	NC/on/oFF/rZn
"rLH" Humidity Relay Position	N.C N.	NC /on / oFF / rZn
"NO" Normally Open)/ NC / 011/ 0FF / 1211
"NC" Normally Closed		
"oFF" Manual Control Off		
"SNO" Sensor Dependent Time Normally	n to enter the time settin Open	js menu.)
"r7n" Time Setting Menu	Closed Default	Range / Option
"Zon" Time Setting On Duration .	0 minute	0-60 minute
"ZoF" Time Setting Off Duration .	0 minute	0-60 minute
"Can" Temporature Duration When On	uing wenu <u>Deraun</u>	Range / Option
"SoF" Temperature Duration When Clo	oen 0 minute osed 0 minute	e 0-60 minute
"SoF" Temperature Duration When Co "Hon" Humidity Duration When Open .	pen 0 minute osed 0 minute 0 minute	e 0-60 minute e 0-60 minute e 0-60 minute
"SoF" Temperature Duration When Clo "Hon" Humidity Duration When Open "HoF" Humidity Duration When Closed	pen 0 minute psed 0 minute 0 minute d 0 minute	9 0-60 minute 9 0-60 minute 9 0-60 minute 9 0-60 minute
"LC" Carbon Dioxide Relay Position Normally Open Normally Closed "Zon" Time Setting On Duration "LZ" Sensor Connected Relay Time Se "Son" Temperature Duration When Ole "Sof" Temperature Duration When Open "Hof" Humidity Duration When Open "Of" Carbon Dioxide Duration When "On" Carbon Dioxide Duration When	pen 0 minute psed 0 minute 0 minute d 0 minute Open 0 minute	9
"SoF" Temperature Duration When Clo "Hon" Humidity Duration When Open "HoF" Humidity Duration When Close "Con" Carbon Dioxide Duration When "CoF" Carbon Dioxide Duration When "tSr" Sensor Response Time Setti	pen 0 minute osed 0 minute d 0 minute d 0 minute Open 0 minute Closed. 0 minute ng Menu Default	9 0-60 minute 9 0-60 minute 9 0-60 minute 9 0-60 minute 9 0-60 minute 9 0-60 minute 10 Range / Option
"tSr" Sensor Response Time Settil "tSS" Temperature Sensor Response	ng Menu Default	Range / Option
"tSr" Sensor Response Time Settil "tSS" Temperature Sensor Response	ng Menu Default	Range / Option
"tSr" Sensor Response Time Settii "tSS" Temperature Sensor Response "tSH" Humidity Sensor Response Tim "tSC" Carbon Dioxide Sensor Respon	ng Menu Default Time Level 4 e Level 4 se Time Level 3	Range / Option
"tSr" Sensor Response Time Settii "tSS" Temperature Sensor Response "tSH" Humidity Sensor Response Tim "tSC" Carbon Dioxide Sensor Respon	ng Menu Default Time Level 4 e Level 4 se Time Level 3	Range / Option
"ISI" Sensor Response Time Setti "ISS" Temperature Sensor Response Time Setti "ISS" Temperature Sensor Response Time Setti "ISI" Humidity Sensor Response Time Setting Sensor Settings Menu "ICIn" Control Temperature Settings Menu "Ton" Ambient Temperature Settings Menu	ng Menu Default Time Level 4 e Level 4 se Time Level 3	Range / Option
"ISI" Sensor Response Time Setti "ISI" Temperature Sensor Response Time "ISI" Humidity Sensor Response Tim "ISC" Carbon Dioxide Sensor Response Tim "SEN" Sensor Settings Menu "ICI" Control Temperature Settings Naphent Temperature	ng Menu Default Time Level	Range / Option
"ISI" Sensor Response Time Setti "ISI" Temperature Sensor Response Time "ISI" Humidity Sensor Response Tim "ISC" Carbon Dioxide Sensor Response Tim "SEN" Sensor Settings Menu "ICI" Control Temperature Settings Naphent Temperature	ng Menu Default Time Level	Range / Option
"ISI" Sensor Response Time Setti "ISS" Temperature Sensor Response Time Setti "ISS" Temperature Sensor Response Time Setti "ISI" Humidity Sensor Response Time Setting Sensor Settings Menu "ICIn" Control Temperature Settings Menu "Ton" Ambient Temperature Settings Menu	ng Menu Default Time Level	Range / Option

UYGUNLUK BEYANI

Headquarters and place of production. Halkapinar Mah. 1376 Sok. Boran Plaza, No.11. Konak, IZMIR, TÜRKİYE, EMS KÖNTRÖL ELEKTRÖNIK VE MAKINE SAN. TÖ. A.S. declares that the product marked with CE, whose name and specifications are given below, covers the specified directives and provisions.

EMS KONTROL ELEKTRONIK Brand: EMS KONTROL Product Code: KR- 751 Product Type: Panel Type Temperature, Humidity and Carbon Dioxide Control Device Campatible Directives: VE MAKINE SAN. TIC. A.Ş. Halkapınar Mahallesi 13 78 Sk. Boran Plaza No. 14 Konsk / I-Z M T R EGE V D. 334 104 4628

Compatible Directives: -Elektromagnetic Compatibility Directive **Mersis** No 0341044620001 2014/30/EU (EIV EN 61000-6-3: 2007 + A1: 2011, EN 61000-6-1: 2007) -Low Voltagè Directive 2014/35/EU (LVD EN 60730-2-9:2010, EN 60730-1:2011)

Additional information: This product can be used in combination with other devices and compliance with the directives covers only the product. EMS KONTROL is not responsible for the compliance of entire system with the directives



RED

WARRANTY TERMS

1- The warranty period of the devices and apparatus starts from the invoice date and is guaranteed for 2 years against manufacturing defects. 2 Devices and apparatus are delivered to the customer in working condition in our company. On-site commissioning is subject to service fee. 3- The repair of the devices and apparatus under warranty is carried out in our company as a result of sending them with the transportation company conflicted by the company of the company conflicted by the company of the company conflicted by the company conflicted by the company conflicted by the company of the customer. The cost of the working time spent on the road is added to the service tee and the collection is made in advance.

4. Maintenance of devices and apparatus is done in our company. Transportation and transportation fees of the devices and apparatus to and from our company for maintenance belong to the customer of the maintenance of the customer of the customer of the maintenance of the customer of the maintenance of the customer of the maintenance of the customer of the customer of the maintenance of the customer of the maintenance of the customer of the customer of the maintenance of the customer of the customer of the maintenance of the customer of the apparatus to the customer of the customer of the maintenance of the customer of the customer of the devices and apparatus whose warranty period continues, the customer may request apparatus whose warranty period continues, the customer may request apparatus whose warranty period continues, the customer may request a

6-In clase of detection of manufacture/induced faults of the devices and apparatus whose warranty period continues, the customer may request a replacement or may request that the repair costs of the devices and apparatus be fully covered by the manufacturer, provided that it does not exceed the product price.

In the event hat the class of the devices and apparatus whose where the contract of the contract of the contract of the class of the contract of the case of the class of the

beaten, broken or Scratched by the customer.

11- Damages caused by the use of devices and apparatus of other brands and models without the approval of the manufacturer are not covered by the warranty string, oxidation and liquid contact due to working the terrors caused by the warranty.

12- Letrors caused by main vocur during transportation in guide contact due to working the terror caused by the warranty. It is considered by the warranty.

13- Damages that may occur during transportation of devices and apparatus are not covered by the warranty. It the customer wishes, helsne can have transportation insurance.

14- Damages caused by mains voltage / faulty electrical installation are not covered by the warranty in case of motocovered by the warranty warranty. Including all parts, are covered by the warranty warranty in the devices and apparatus malfunction within the warranty period, the time spent in repair shall be added to the warranty period. The repair period of the goods to he service stand, in research to the sale of the goods to the service stand. It is possible to main the devices and shall not exceed 20 working days. This period starts from the date of notification of the malfunction of the sale of the goods to the service stand. In presentative, importer or manufactor to motocover of the goods to the consumers, if the malfunction of the goods to not resolved within 20 business pays, the manufacturer-manufacturer or importer; until the regard termination of the warranty period of the goods to not resolved within 20 business pays, the manufacturer-manufacturer or importer; until the regard termination of the date of the use of the work of the consumer. The sale of the possible to the consumer.

18- Despite the consumer's right to repair the goods.

19- Despite the consumer's right to repair the goods.

19- Despite the consumer's right to repair the good of the warranty beriod determined

apparatus will be flader for a fee. This device is a Waste Electrical and Electronic Device according to the directives applied in Europe 2002/96/EC. (WEEF) Before scrapping or throwing away this device, you must prevent its potential negative consequences for the environment and human health. Otherwise it would be inappropriate waste. This symbol on the product is intended to warm that the product should not be treated as household waste and should be delivered to electrical and electronic waste collection points. Disposal of the product must be done in accordance with local environmental regulations, You can obtain detailed information from authorized units on how to destroy, reuse and recycle the product.

Manufacturer's

Title: EMS KONTROL ELEKTRONİK VE MAKİNE SAN. VE TİC. A.Ş.

Address: Halkapınar Mah. 1376 Sokak Boran Plaza No:1/L Konak / İzmir-TÜRKİYE

Telephone: 0 (232) 431 2121 E-Mail: info@emskontrol.com

Company Stamp:

EMS KONTROL ELEKTRONIK

VE MAKINE SAN. TIC. A.Ş. Halkapınar Mahállesi 1378 Sk.Boran Plaza No. 14 Konak / 1-2 M T R EGE V D. 334 104 4628 Mersis No 033410446280001

Product's

Type: Panel Type Mushroom Farm Control

Brand: EMS Kontrol

Model: KC-720 Warranty Duration: 2 Years Maximum Repair Time: 20 Days Banderol and Serial Number:

٠.	
- 1	Vendor Company
- 1	Title: Address:
- 1	Telephone: Faks:
- 1	E-Mail:Invoice Date and Number:
-	Delivery Date and Place:
	Signature of Authorised Person:
- 1	Company Stamp

Product's

Type: Panel Type Mushroom Farm Control Device

Brand: EMS KONTROL

Model: KC-720

and user manual.

EMS Kontrol reserves the right to make changes and improvements to the product specifications

*For all changes, please visit emskontrol.com.



