

# user and operating manual

## GTM I EC UK 140801

### Function of the keys



#### System ON

Press the **ON/OFF** key until the display is turned on.

#### System OFF

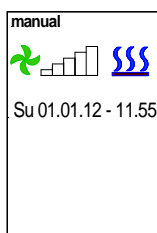
Press the **ON/OFF** key for 2 sec. (standby).

#### Display OFF

When the system is in Standby, press the **ON/OFF** key until the display is turned off.



122 x 70 x 35 mm



### 1. Manual

**Settings 1 - 5** can be selected by using the multifunctional rotary knob.

Press the multifunctional rotary knob to switch to heating. Depending on the programming (see point 2.6 **step 0 MV**), the optional solenoid valve can be turned on or off by turning the multifunctional rotary knob. (Default setting: **fan step 0**, **heating OFF** and symbol colour **blue**)

#### 2. Settings in the Basic menu

Press the **Mode** key (**PGM Mode** display). A menu with different setting options will be displayed.

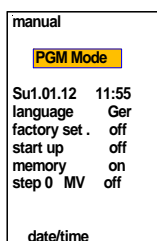


#### 2.1 Day / date / time

Press the multifunctional rotary knob and turn it to select and change the related data (24-hour notation).

#### 2.2 Language

Press the multifunctional rotary knob and turn it to select and change the related data. If required, you can switch from GER to ENG, NLD, FRA, ITA or PL.



#### 2.3 Factory set

Press the multifunctional rotary knob and turn it to select and change the related data. The original data is restored.

#### 2.4 Start up

Press the multifunctional rotary knob and turn it to select and change the related data. After the air curtain has been switched on, the speed will switch to setting 1 during 3 seconds and, next, to setting 5 for another 3 seconds automatically. Next, the system will operate based on the set fan setting (default setting: **off**).

#### 2.5 Memory

Press the multifunctional rotary knob and turn it to select and change the related data. The memory function ensures that all set values are kept saved in case of power outage. (Default setting: **memory on**.)

## 2.6 Step 0 MV

Press the multifunctional rotary knob and turn it to select and change the related data.

**step 0 MV off** = optional solenoid valve is closed when the fans are not turning.

**step 0 MV var** = optional solenoid valve is operated variably when the fans are not turning depending on the heating setting.

(Default setting: **step 0 MV off**.)

## 3. Error messages are displayed in orange

**No enabled** will be displayed when the building management system (DDC) does not release the air curtain system for use. The system cannot be put into operation.

### Cancel error message

The message will be cancelled automatically when the building management system has released the system.

## 4. Faults are shown in red

**Frost alarm** will be displayed when the temperature of the supplied air is lower than approximately 7° C on the optional frost protection thermostat. The fans will be turned off and the optional solenoid valve will be opened.

This function always has priority!

### Cancel error message

When the freezing risk is no longer present, the error message will be cancelled automatically and the normal operation of the air curtain system will be resumed.

**Motor overheat** will be displayed when a fault occurs in the fan motors. The faulty fan will be put out of service.

The system must be checked (contact a specialised installation company).

### Cancel error message

Press the **Mode** key (**PGM Mode** display). Select the **confirmation** option using the multifunctional rotary knob (the text colour will change from orange to black). Press the knob to confirm the selection.

## 5. Details



At most 10 air curtain systems can be managed using one control panel with the GTM I EC control. Each printed circuit board is equipped with a coding switch for this purpose. The coding reads as follows:

**0 = MASTER, 1 - 9 = SLAVE.**

**NOTE: never use the same coding for two systems.**

The error message will be generated as a collective fault in the MASTER system when a fault occurs.

Only the faulty fan will be put out of service with regard to **Motor overheat**.

When the system is turned on, first the slave systems must be supplied with power.

### Potential-free messages

Function and fault messages are available on the printed circuit board in the form of change-over switches.

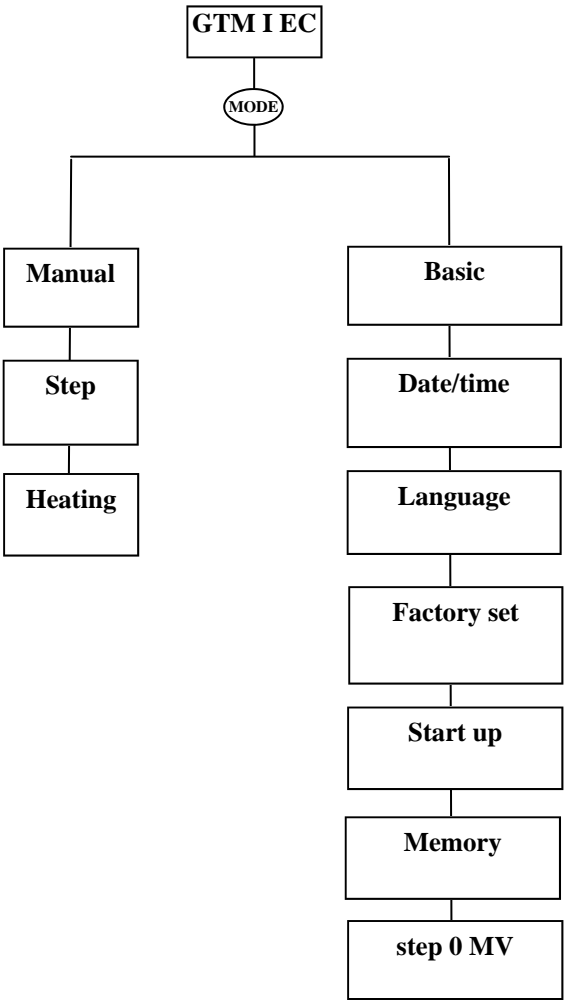
If input does not follow in the programming mode (**PRG Mode**) for more than 60 seconds, the mode will be terminated automatically.

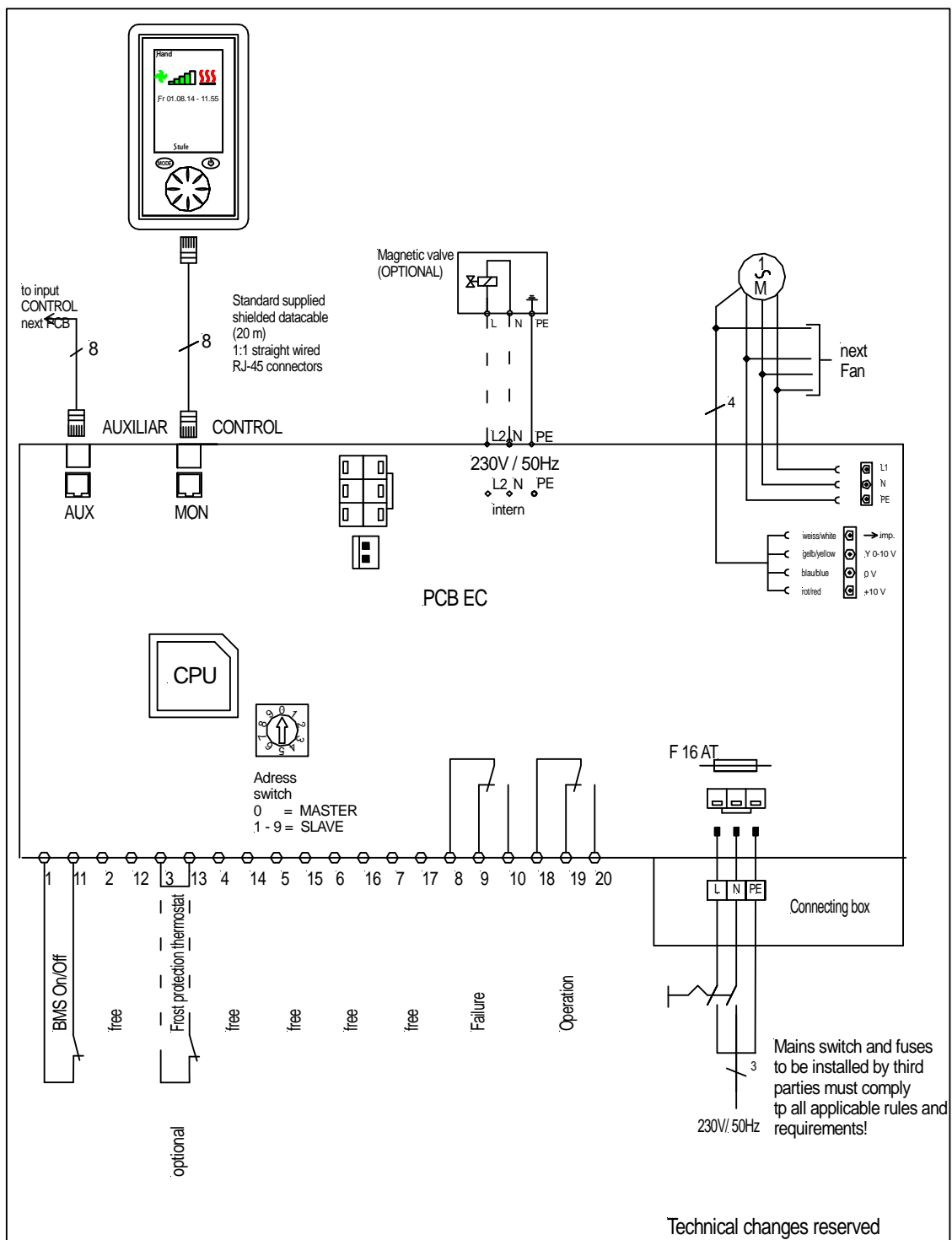
## 6. Troubleshooting

Error	Display	Possible causes	Solution
System is not working	Display off	No grid power supply Not turned on	Turn on the grid power supply Turn on the system
	no enables	Fault in DDC release	See point 3
	Frost alarm	Air supply temperature too low	Increase the air supply temperature
Insufficient airflow speed	Motor overheat	Fan faulty Air supply filter dirty	Replace the fan (see point 4) Clean the filter
	com error (communication error)	Error in data transfer	Reset

The air curtain system must be reset when a fault occurs. Disconnect the power supply from the whole system. Wait 10 seconds and again turn on the system (also see point 5).

8. Schedule





	Name	Datum							
gezeichnet/signet	la	01.08.2014							
			Werkstoff					Maßstab	
				Pos.	von	Gruppe	Teile		
			Kundenzeichnung Nr.:		Erstelldatum				
			Benennung Name	GTM I EC UK 140801					
			Kunde					Blatt	
								1 von 1	