

# QUICKSTART MCS®

## START-UP - STEPS

- 1 Select Zone or Group
- 2 Select Operating Mode  
AUTO – MANUAL – OFF
- 3 Set Setpoints
- 4 Change Parameters  
a) Zone Parameters  
b) System Parameters
- 5 Activate Outputs

### 1 SELECT ZONE OR GROUP

Overview	Bar graph	Parameter	Messages	Groups	Options
Act [°C or °F]	Set [°C or °F]	Diff [K]	Quality [%]	Current [A]	Power [%]
Zone 1	Zone 2	Zone 3	Zone 4		
Zone 5	Zone 6	Zone 7	Zone 8		

#### OPTIONAL: DEFINE GROUP

Overview	Bar graph	Parameter	Messages	Groups	Options
Groupless	[G1]	[G2]	[G3]	[G4]	[G5]
Zone 1	Zone 2	Zone 3	Zone 4		
1	1	0	2		
Zone 5	Zone 6	Zone 7	Zone 8		
2	2	2	2		

Group [G1] to Group [G8]

#### INDIVIDUAL ZONE

Zone **2** Group All Zones

▽ **3** ▽

#### ALL ZONES

Zone Group **All Zones** **2**

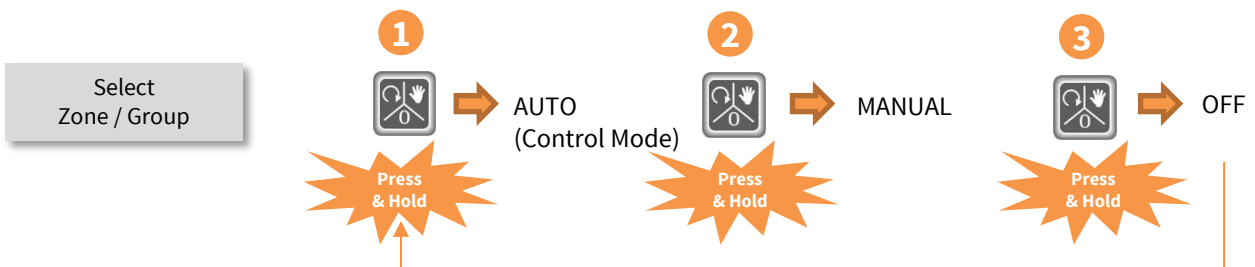
ALL

#### GROUP

Zone **2** Group All Zones

▽ **3** ▽

### 2 SELECT OPERATING MODE



### 3 SET SETPOINTS

Select Zone / Group

OR

Setpoint [°C / °F or %]

**2** 0

+	1	2	3
-	4	5	6
abs	7	8	9
	ESC	0	OK <b>3</b>

**1** **2**

## 4a ZONE PARAMETERS

Select Zone / Group

1

Help

Zone Parameters

P01: L-Alarm
P02: H-Alarm
P03: DEV-Alarm
P04: P-Band
P05: I-Component
P06: D-Component

2

3 or 3

**The most important parameters:**

P01: L-Alarm Alarm Low Temperature Limit

P02: H-Alarm Alarm High Temperature Limit

P03: DEV-Alarm Deviation Alarm from Actual Value

P25: Boost-Offset Increase of Setpoint Value by x Degrees

P26: Standby Decrease of Setpoint Value to x Degrees

## 4b SYSTEM PARAMETERS

1

Press & Hold

Hilfe

System Parameters

Slowest Zone
Program No.
Boost Time [sec]
Alarm Delay [sec]
RS485 Address
RS485 Baud Rate

2

3 or 3

4 Enter Password

1	2	3
4	5	6
7	8	9
	0	

Password Default:

Level 1 0000

Level 2 0022

Level 3 2222

## 5 ADDITIONAL FUNCTION KEYS

### OUTPUTS ON / OFF



Outputs On /  
Outputs OFF

### BOOST



Temperature  
raise

### STANDBY



Temperature  
lower

### DISPLAY ZONES



Actual Value X %  
Setpoint W I Heating Current  
Control Deviation ΔT Q Control Quality

### HOME



Basic  
Screen

## 6 WARNINGS AND ALARMS (ABSTRACT)

Thermocouple broken	No Current Flow	Triac defect	Overtemperature
No Power Supply	Temperature below Tolerance Range	Temperature above Tolerance Range	Zone OFF

## 7 DIAGNOSTICS

Select Zone / Group

1

2

3

4

Zone 1: Diagnostics: Thermocouple broken  
==== Diagnostics completed =====