



# MCS-STANDARD CONFIGURATION

## Built for Upgrading Chiller Packages

Microsoft Windows program that supports all versions of MCS-MAGNUM, MCS-NitroMag and MicroMag Micro Controllers

**Magnum HVAC Information Screen**

Information Panel Selector: General Info, Compressor Info, Evaporator Info, Condenser Info, Lockout Info, Boiler Info

General Information

Unit Indicators: Warning Relay (WARNING), Alarm Relay (ALARM), Control Relay, Lag Unit ON/OFF Relay

Heat Control: Heat Mode Indicator, Common Rev. Valve

Unit Power: Phase Loss (PHASLOSS), Volts A, Volts B, Volts C, Unit Amps, Unit KW

Unit Sensors: Smoke Alarm Indicator, Enthalpy Sensor, Ambient Temperature, Ambient Humidity, Demand Limit FLA %, Demand Limit Steps

Unit Control: Run/Stop Switch (RUN/STOP), Network Run/Stop Sw, Emergency Stop Switch (EMG/STOP)

Unit Type: Cooling Only, HeatPump, Electric Heat

Part # MCS-CONFIG

#	Name (1 to 10 char)	Display Type	Offset	Manual Value or NC/NO (select to change)	Display Text (select to change)	Temp./ GPM / CFM / Pwr Factor SI	Humd./PSI/ Temp. Diff./ Enthal. Diff.	Auto/Manual (Click here for all)
0	0			Not Used	Not Used			Auto
0	0			Not Used	Not Used			Auto
0	0			Not Used	Not Used			Auto
0	0			Not Used	Not Used			Auto
0	0			Not Used	Not Used			Auto
0	0			Not Used	Not Used			Auto
0	0			Not Used	Not Used			Auto
0	0			Not Used	Not Used			Auto

Slide Mult.	Slide Div.	Slide Off.	Design Suc.PSI	Design Dis.PSI	Nominal Tonnage(of Step)	EXV Start (When Lead)	Type
82	10	30	70	340	0	12	Screw w/ EXV
							Standard
							Standard
							Standard
							User Logic
							Standard

Max	Adjust Value	Time (SEC)	Max Time Allowed (SEC)	Lockout Delay (HRS)	Safety Down Time(MIN)	Active or Non-Active	Select Value: # of decimals & print char	Level Of Auth. To Display	Type of Setpoint						
0	0.5	0	0		0	Active	TEMP	View Only	Setpoint						
0	0.5	0	0		0	Active	TEMP	View Only	Setpoint						
0	0.5	0	0		0	Active	TEMP	View Only	Setpoint						
0.5	0	0	0		0	Non-Active	TEMP	View Only	Setpoint						
0.5	0	0	0		0	Non-Active	TEMP	View Only	Setpoint						
6	1	0	0		0	Non-Active	PSI GAGE	View Only	Setpoint						
6	1	0	0		0	Non-Active	PSI GAGE	View Only	Setpoint						
05	1	0	0		0	Non-Active	TEMP	Factory Lt	Setpoint						
9				20	1	5	0	2	10	Active	TEMP	View Only	Alarm		
10				2	1	10	0.1	0	0	0	Active	TEMP	View Only	Setpoint	
11				0.5	0.5	4	0.5	0	0	0	Active	TEMP	View Only	Setpoint	
12				0.1	0.1	5	0.1	0	0	0	Active	HUMD or %	View Only	Setpoint	
13				0.5	0.1	5	0.1	0	0	0	Active	HUMD or %	View Only	Setpoint	
14				3	1	20	1	0	0	0	Active	DIGITAL/SM	View Only	Setpoint	
15				10	2	50	1	0	0	0	Active	HUMD or %	View Only	Setpoint	
16				100	40	100	1	0	0	0	Active	HUMD or %	View Only	Setpoint	
17				6	0.5	10	0.5	120	0	2	10	Active	TEMP	View Only	Alarm
18				10	5	60	1	0	0	0	Active	SECONDS	View Only	Setpoint	
19				60	2	120	5	0	0	0	Active	SECONDS	View Only	Setpoint	
20				5	1	10	1	0	0	0	Active	SECONDS	View Only	Setpoint	

## Description

MCS-CONFIG software is part of the MCS Support System. Its purpose is to build the configuration files for the MCS micro controllers. Through this program information relating to the particular installation such as the points list, setpoints and control strategies are specified. Once a configuration file has been built it can be uploaded into a live system using the transmit function found in the MCS-CONNECT.

## Standard Configurations

These Configs are written for Chiller and condensing units that are standard to the industry and will cover the operations of components normally found on these units.

Standard MCS-CONFIGS are covered under the standard pricing for many of the leading Chillers upgrades.

Custom MCS-CONFIGS are available, call or email: sales@mcscontrols.com for more information.

## Specifications

- Microsoft Windows based
- Software written in Microsoft Visual Basic
- Generates configuration files for MCS micro controllers
- Supports all versions of MCS-MAGNUM, MCS-NitroMag and MicroMag latest MCS-17 software
- User friendly interface
- Develop points list
- Develop setpoints
- Develop control strategies
- Develop multiple authorization levels to limit end user ability to make changes
- Develop operation schedules
- Change sensor input and relay output labels
- View and Print Building Management System List

## System Requirements

- PC with a Pentium-class processor
- Microsoft Windows operating systems
- 32MB of RAM
- Super VGA display capable of displaying at least 256 colors