



The MCS-Connect Specifications & Description

Product Features

- Microsoft Windows based
- Software written in Sun Micro Systems Java
- Local communication @ 19200 baud
- Local Ethernet @ 10/100 MBPS
- Remote communication via phone or Internet
- Display auto sizing based on screen resolution
- Grid auto sizing based on micro controller configuration
- Algorithm control states display
- Static & dynamic graphing / trending data
- Alarm retrieval & handling
- Manual / Auto mode control
- Setpoint modification
- Schedule modification
- Multiple authorization levels for security

System Requirements

- PC with a Pentium-class processor
- Microsoft Windows 98 or later operating system
- 32MB of RAM
- 14.4k baud modem or higher for remote communications
- Super VGA display capable of displaying at least 256 colors

Product Description

MCS-Connect software is part of the MCS Support System. Its purpose is to provide both local and remote communication for MCS micro controllers either by themselves or as part of a network.

MCS-Connect allows the user to monitor the status of the micro controller in real time and, with proper authorization, changes can be made to the system. In as fast as 10 seconds configuration files can be transmitted to or received from a MCS micro controller.

PC-Connect Status Screen Authorization is at Factory Level

Addr #1 TUE FEB 03, 02 07:42:37 Micro Control CHILLER #1

RELAY OUTPUTS	VALUE	MANUAL STATUS	LAST ON	LAST OFF	T	SENSOR INPUTS	VALUE	MANUAL STATUS	OFFSET	SENSOR TYPE	LAST ON / MAX TODA
M-1 COMP1	ON	AUTO	07:38:18	07:33:44	00	M-1 SUCT1	60.9P	AUTO	0.0P	TI-500	64.7
M-2 LOAD1	OFF	AUTO	07:41:15	07:30:48	00	M-2 DISC1	176.5P	AUTO	0.0P	TI-500	176.5
M-3 UNLOAD1	OFF	AUTO	07:40:35	07:38:47	00	M-3 AMPS1	80.8A	AUTO	0.0A	CT-250	81.9
M-4 S UNLD1	OFF	AUTO	07:38:18	07:38:47	00	M-4 SUCTTMP1	45.2F	AUTO	0.0F	MCST100	45.2
M-5 LLS1	ON	AUTO	07:38:48	07:33:44	00	M-5 DISCTMP1	147.6F	AUTO	0.0F	MCST100	147.6
M-6 CNDPMP1	ON	MANO	07:36:45	07:33:44	00	M-6 EXTSFTY1	OFF	AUTO		DIGITAL	00:00:00
M-7 CNDPMP1	OFF	AUTO	00:00:00	00:00:00	00	M-7 PMPDWN1	NO	AUTO		DIGITAL	00:00:00
M-8 ALARM	OFF	MANON	00:00:00	00:00:00	00	M-8 FLOW	ON	AUTO		DIGITAL	00:00:00
1-1 COMP2	ON	MANOFF	07:39:49	07:33:44	00	1-1 SUCT2	59.0P	AUTO	0.0P	TI-500	59.0
1-2 LOAD2	OFF	LOCKON	07:41:06	00:00:00	00	1-2 DISC2	182.2P	AUTO	0.0P	TI-500	182.2
1-3 UNLOAD2	OFF	LOCKOFF	07:41:00	07:40:18	00	1-3 AMPS2	82.1A	AUTO	0.0A	CT-250	82.1
1-4 S UNLD2	OFF	AUTO	07:39:49	07:40:18	00	1-4 SUCTTMP2	51.0F	AUTO	0.0F	MCST100	51.2
1-5 LLS2	OFF	AUTO	00:00:00	00:00:00	00	1-5 DISCTMP2	132.9F	AUTO	0.0F	MCST100	132.9
1-6 SPARE1-6	OFF	AUTO	07:36:06	07:36:30	00	1-6 EXTSFTY2	OFF	AUTO		DIGITAL	00:00:00
1-7 SPARE1-7	OFF	AUTO	00:00:00	00:00:00	00						
1-8 SPARE1-8	OFF	AUTO	00:00:00	00:00:00	00						

CAPACITY CONTROL STATE	TIME	WANTED /ACTUAL	STEP DELAY	WANTED FLA %	RAI
UNIT IS LOADED	00:04:19	2 / 2	180	100%	C
CIRCUIT STATE	TIME	OIL DIFF	FLA %		
1) <-CMP IS HOLDING	00:02:02	115.6P	98%		
2) CMP IS HOLDING	00:01:38	123.2P	100%		
CIRCUIT SUCTION TEMP	SATURATED SUCTION	SUCTION SUPERHT	DISC TEMP	SATURATED DISCHARGE	DIS SUP
1) 45.2	34.6	10.6	147.6	93.0	
2) 51.0	33.1	17.9	132.9	95.1	

The Relay Output Manual Status and Value (%) can be changed by clicking on the cell.

STATUS (ALMS) ST PNTS (RESET/CLEAR/)

EXIT SYS INF PRT->File GRAPH TRANSMIT RECEIVE METER SCHED DIAG AUTH

PC-Connect for the MCS-8

PC-Connect Status Screen Authorization is at View Only Level

Addr #0 WED DEC 18, 02 18:00:22

HI PSI COMP #1	DEC 04 14:35:40	POWER UP/RESET	NOV 24 12:26:39	SETPOINTS	CLEAR ALARMS
HI PSI COMP #1	DEC 04 13:07:19	POWER UP/RESET	NOV 24 08:37:20	DATE / TIME	Reset Pts/Factory
POWER UP/RESET	NOV 24 14:48:55			MANUAL(AUTO)	LOCKOUT RESET

EXIT SYS INF PRT->File GRAPH TRANSMIT RECEIVE MCS6 SUM SCHED DIAG AUTH CHANGE SETUP

PC-Connect for the MCS-6

Another powerful feature of PC-Connect is its ability to graph event history. Since MCS-MAGNUM and MCS-8 automatically perform history logging, the user can select which inputs or outputs to graph and view the results either in real time or over a user selectable period of time.

MCS-Connect is available on CD including a printed user's manual. Program updates can be downloaded directly from the MCS website.