



Contegra Inc.
 1286 Carriage Hills Drive
 Eagan, MN 55123

Phone 651 905-0900
 Fax 651 454-4665

Beyond complexity to Simplicity™

Modbus® Register Listing

Read / Write

Addr	Description	Range	SM2000	SM3000
40001	AIN 0: Process level raw count	0-00255		
40002	AIN 1: System voltage raw count	0-00255		
40003	I/O: Input word	ordinal	6: External ACK 7: Inhibit	6: External ACK 7: Inhibit
40004	AIN 0: Simulation val percent	0-10000		
40005	AIN 0: 1-5 volt percent	0-10000		
40006	AIN 0: Field adjustable prcnt	0-10000		
40007	AIN 0: Raw voltage	0-00500		
40008	AIN 1: Simulation val percent	0-10000		
40009	AIN 1: 1-5 volt percent	0-10000		
40010	AIN 1: Field adjustable prcnt	0-10000		
40011	AIN 1: Raw voltage	0-00500		
40012	AOT 0: Output percentage value	0-10000		
40013	AOT 0: 1-5 volt percent	0-10000		
40014	AOT 0: Raw count	0-16348		
40015	AOT 0: Normalized percent	0-10000		
40016	ALT: Order		Not used	0: 1-2-3 1: 1-3-2 2: 2-1-3 3: 2-3-1 4: 3-1-2 5: 3-2-1
40017	ALT: Sequence		0: FOFO 1: Rotary 2: 1-2 3: 2-1	0: FOFO 1: Rotary 2: Fixed
40018	ALT: Input	ordinal		
40019	ALT: Output	ordinal		
40020	ALT: Pumps in Service		Not used	Not used
40021	ALT: Mode		Not used	0: Normal 1: 2 nd Lag-independent 2: 2 nd Lag-reversed
40022	PUMPS: Direction	0-00001	0: Up 1: Down	0: Up 1: Down
40023	PUMPS: Running	ordinal		
40024	PUMPS: Fault	ordinal		
40025	PUMPS: Enabled	ordinal		
40026	ANA: Damping	0-00040		
40027	STAGE: Delay	0-00040		
40028	STAGE: 1 - High setpoint	0-00040		
40029	STAGE: 1 - Low setpoint	0-00040		

40030	STAGE: 2 - High setpoint	0-00040		
40031	STAGE: 2 - Low setpoint	0-00040		
40032	STAGE: 3 - High setpoint	0-00040	Not used	
40033	STAGE: 3 - Low setpoint	0-00040	Not used	
40034	STAGE: Inhibited	ordinal		
40035	ALARM: Hi – Upper setpoint	0-00040		
40036	ALARM: Hi – Lower setpoint	0-00040		
40037	ALARM: Lo – Upper setpoint	0-00040		
40038	ALARM: Lo – Lower setpoint	0-00040		
40039	ALARM: Acknowledge	ordinal		
40040	CODE: Value 1	0-00040		
40041	CODE: Value 2	0-00040		
40042	CODE: Value 3	0-00040		

Read Only

Addr	Description	Range	SM2000	SM3000
30001	CNTRL: Output word	ordinal	0: Pump 1 called 1: Pump 2 called 2: Alarm (set by SW4) 3: Monitor 4: Common alarm 7: Alarm (set by SW4)	0: Pump 1 called 1: Pump 2 called 2: Pump 3 called 3: Monitor 4: Common alarm 7: Alarm (set by SW4)
30002	CAL: Low Setpoint	0-00040		
30003	CAL: High Setpoint	0-00040		
30004	CAL: Low Input	0-65534		
30005	CAL: High Input	1-65535		
30006	HOST: Board type	0-65535		
30007	HOST: Board serial number	0-65535		
30008	HOST: Board software revision	0-09999		
30009	I/O: Board type	0-65535		
30010	I/O: Board serial number	0-65535		
30011	I/O: Board software revision	0-09999		
30012	AIN 0: Process variable	0-00040		
30013	AIN 0: Process variable percentage	0-10000		
30014	AIN 1: Process variable	0-00040		
30015	AIN 1: Process variable percentage	0-10000		
30016	ALARM: Active alarms	ordinal	0: High 1: Low 2: Sensor 3: Inhibit	0: High 1: Low 2: Sensor 3: Inhibit
30017	ALARM: Un-ACKed alarms	ordinal	0: High 1: Low 2: Sensor 3: Inhibit	0: High 1: Low 2: Sensor 3: Inhibit
30018	STAGE: Output	ordinal		
30019	COMM: Communications efficiency percentage	0-00100		