



TECHNICAL DATA - MODBUS COMMUNICATION FOR ELECTRIC FIRE PUMP CONTROLLER WITH AUTOMATIC TRANSFER SWITCH

To modify IP and SubNet Mask: Go to Config / Advanced / Factory Settings. Click on "Next page" until you reach the IP page. Change the necessary values and click on "Apply"

Generals Characteristics

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Alarms Activation	0 Motor Run Warning
BINARY	1 CANBUS Communication System Failure
	2 FILE System Failure
WORD 30011	3 Flow Meter On
	4 Pump on Demand Warning
	5 Invalid Cut-In
	6 Test Mode
	7 ND
	8 ND
	9 ND
	10 ND
	11 ND
	12 ND
	13 ND
	14 ND
	15 ND

Alarms Activation	0 ND
BINARY	1 ND
	2 ND
WORD 30012	3 ND
	4 ND
	5 ND
	6 ND
	7 ND
	8 ND
	9 ND
	10 ND
	11 ND
	12 ND
	13 ND
	14 ND
	15 ND

WORD 30013	Weekly Test Schedule
MIXED VALUES	
Bit 15	Enabled
Bit 14	Active Week
Bit Value (11-12-13)	Day of the week (0 is Sunday)
Bit Value (6-7-8-9-10)	Hour of the day
Bit Value (0-1-2-3-4-5)	Minutes of the hour

WORD 30014	Weekly Test Duration
ANALOG VALUES	(seconds)

WORD 30015	System Pressure
ANALOG VALUES (10X)	(chosen unit)

WORD 30016	Temperature (Internal Sensor)
ANALOG VALUES (10X)	(seconds)

WORD 30017	Water Level
ANALOG VALUES (10X)	(%)

WORD 30018	Run Period Timer (Automatic Shutdown)
ANALOG VALUES	(seconds)

WORD 30019	Manual Run Test Duration
ANALOG VALUES	(seconds)

WORD 30020	Sequential Start Timer
ANALOG VALUES	(seconds)

WORD 30021	Normal Control Voltage
ANALOG VALUES (10X)	(V)

WORD 30022	Alternate Control Voltage
ANALOG VALUES (10X)	(V)

WORD 30023	Line Voltage L12
ANALOG VALUES (10X)	(V)

WORD 30024	Line Voltage L23
ANALOG VALUES (10X)	(V)

WORD 30025	Line Voltage L31
ANALOG VALUES (10X)	(V)

WORD 30026	Normal Voltage N12
ANALOG VALUES (10X)	(V)

WORD 30027	Normal Voltage N23
ANALOG VALUES (10X)	(V)

WORD 30028	Normal Voltage N31
ANALOG VALUES (10X)	(V)

WORD 30029	Alternate Voltage E12
ANALOG VALUES (10X)	(V)

WORD 30030	Alternate Voltage E23
ANALOG VALUES (10X)	(V)

WORD 30031	Alternate Voltage E31
ANALOG VALUES (10X)	(V)

WORD 30032	Current L1
ANALOG VALUES (10X)	(A)

WORD 30033	Current L2
ANALOG VALUES (10X)	(A)

WORD 30034	Current L3
ANALOG VALUES (10X)	(A)

WORD 30035	Ground Fault Current
ANALOG VALUES (10X)	(A)

WORD 30036	Cut-In
ANALOG VALUES (10X)	(chosen unit)

WORD 30037	Cut-Out
ANALOG VALUES (10X)	(chosen unit)

WORD 30038	Elapsed Time Meter (First Service)
ANALOG VALUES	(minutes)

WORD 30039	Elapsed Time Meter (Last Service)
ANALOG VALUES	(minutes)

WORD 30040	
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Optional:	Normal Frequency, Alternate Frequency, Spare Temperature, Suction Pressure, Pressure Transducer PT1, Pressure Transducer PT2, Flow
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WRITE REGISTERS	
BINARY	0 MODBUS Remote Manual Start
WORD 40001	1 MODBUS Automatic Start
	2 MODBUS Manual Run Test Start
	3 MODBUS Transfer Switch Test Pushbutton