



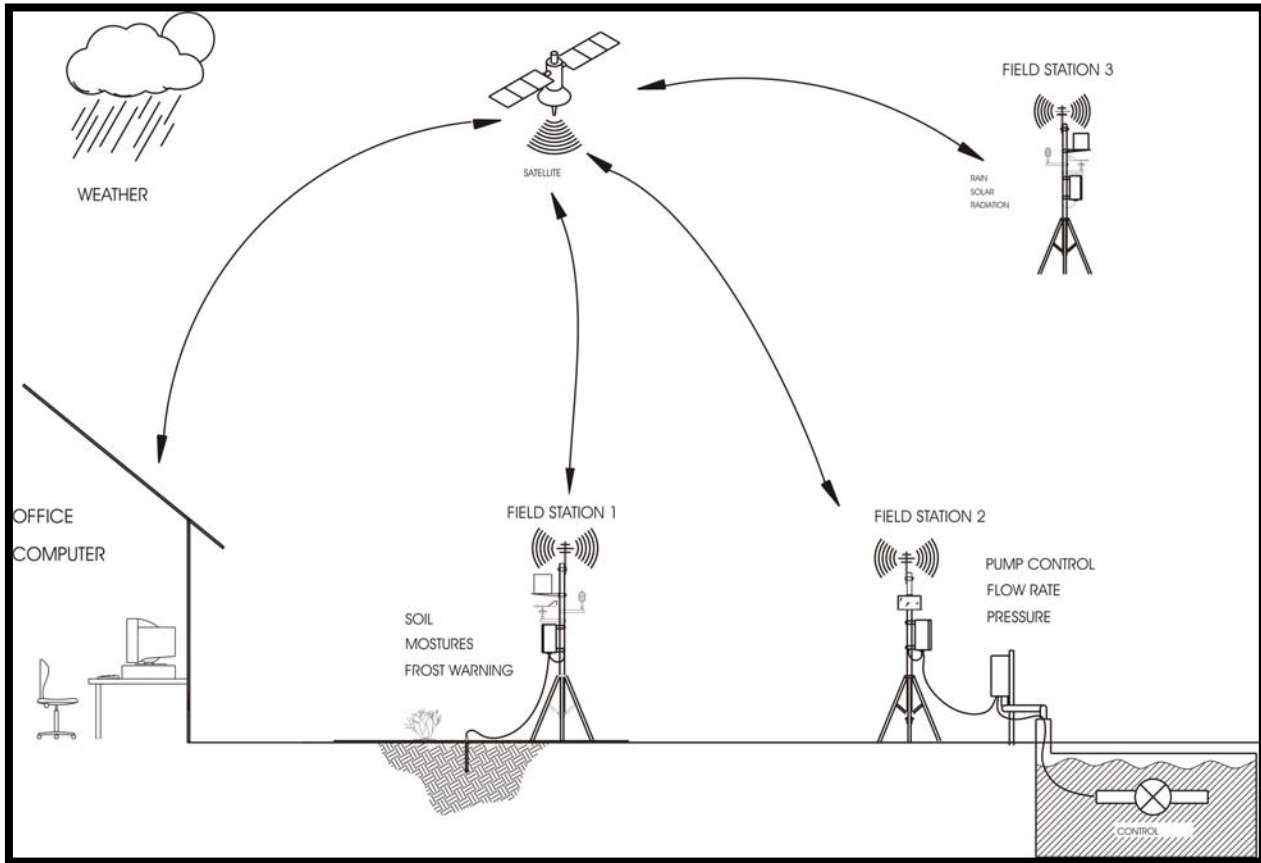
## MINI-SAT™ Field Station

Automata's MINI-SAT™ Field Station consists of 4 analog inputs, satellite radio, whip antenna, 5-amp hour battery, mounting hardware and is housed in the standard post chassis. NEMA 4 chassis and additional analog/digital inputs/outputs are optionally available. The data from the MINI-SAT™ Field Station is available through Automata's specially designed website which includes graphing, control, alarms, and you can even download the data into an Excel Spreadsheet (see [www.automata-inc.com](http://www.automata-inc.com) for demo info). This Field Station is practical for use with a solar panel and where a moderate amount of communication is needed for remotely monitoring/controlling agricultural, water distribution and/or industrial/environmental sites. Only an unobstructed view of the sky is needed for communication. The user requires no infrastructure, base station or added software.




Specifications - Operating Modes	
Timed Mode	Sensor values and/or control output statuses are reported at user programmable time intervals.
Event Mode	A report of any digital (ON/OFF) input is generated whenever one such input changes state. Analog channels can event report on a I/O change.
Accumulator	Digital inputs may be programmed as pulse counters.
<b>Control Output - (optional) 4 maximum</b>	0.1A current sink per control output, 12 V supply available internally to drive load. If external supply is used, maximum voltage = 24Vdc
Up to 3 controls available per MINI-SAT™ Station and are expandable.	
<b>4 Analog Sensor Inputs (10 bit) standard, 4 additional is optional</b>	0-5V, 0-1mA, 0-20mA, 4-20mA. Signal conditioning available for 1 channel to accommodate mV signals and battery voltage.
<b>Digital Sensor I/O - (optional)</b>	Contact Closure, 0-5V, Pulse Counters
Distance	Most anywhere with an unobstructed view of the sky
Power Supply	12V at 5mA Standby, 70mAmps@12.8V, Receiving enabled, 2A Trans.
Relative Humidity	0 to 100% non-condensing
Temperature	-40° to 60°C
Options: Chargers – AC or Solar, Lightning and/or Surge Protections, Cord Grips for Wiring. NEMA 4 Chassis, AC Charger, additional I/O.	

**Email:** [sales@automata-inc.com](mailto:sales@automata-inc.com) • <http://www.automata-inc.com>  
**Fax:** (530) 478-5881 • **Phone:** (530) 478-5882 • (800) 994-0380  
 138 New Mohawk Rd., Suite 151 • Nevada City, California 95959



*Below is a Sample of the MINI-SAT Field Station located in Nevada City, CA*



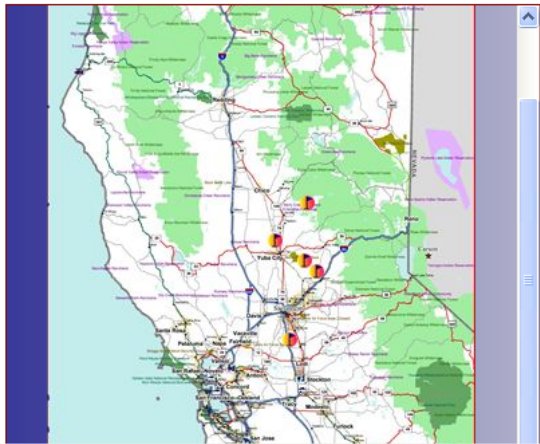
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**Automata** Change Map Automata

Click on flag to display station information



### Automata-Weather

Sensor	Value	Units	Timestamp
DigCh2	15.00	Bit	7/17/2009 1:20:57 PM
Flow Accumulator	1500.00	gallons	7/17/2009 1:20:57 PM
Control (ch1)	Ch1-Off	Bit	7/17/2009 1:20:57 PM
Control (ch2)	Ch2-Off	Bit	7/17/2009 1:20:57 PM
Control (ch3)	Ch3-Off	Bit	7/17/2009 1:20:57 PM
Control (ch4)	Ch4-Off	Bit	7/17/2009 1:20:57 PM
Laser	65.30	Inches	7/17/2009 1:20:57 PM
AirTemp	104.93	Deg F	7/17/2009 1:20:57 PM
SM	0.03	VWC	7/17/2009 1:20:57 PM
Level-DS	14.18	Inches	7/17/2009 1:20:57 PM
Max Air	55.66	CFS	7/11/2009 2:42:20 AM
Daily Flow	-1454.00	gallons	7/16/2009 10:59:59 AM
Yearly Flow	42830.50	gallons	7/16/2009 11:59:59 PM