



Protecting the environment from costly spills - shut down wells miles away with **RFScada** wireless telemetry

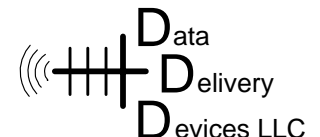
Typical Specifications.....Models 4ADI-5D02 & 16ADI-9D2AO

Note: specifications subject to change due to continual product improvements.

AC Operating voltage (note 1)	85 - 140 VAC 48 – 62 Hz (85 – 264 VAC if protective MOV changed)
AC Power supply certification (note 1)	UL, CE, CISPR/FCC Class B
DC Input Operating voltage (note 2)	10 to 28 Volts DC
DC Output Power (note 3)	15 Volts DC 1 Amp
AC Power consumption	<0.5 Amp
DC Power consumption (at 12VDC)	0.07 Amp no active relays or 4-20mA; 0.28 Amp with all relays & 4-20mA active
On board AC input fuse rating	2 Amp 115 VAC
AC Input transient protection	Yes, 10,000A 120 Joule 150 V MOV on board
DC Input transient protection	Yes, electronic fuse and 1500W MOV on board
Enclosure rating	UL 508, CSA and NEMA 1,2,3,4,4X,12, 13 IEC 529, IP66
Enclosure type	Fiberglass with stainless steel hardware
Enclosure door closure types	Lockable snap latch or screw close available
Operating environment	-30°C to +75 °C (0 to 40 °C for AC powered version), 15-95% non condensing
Minimum telemetry update rate	5 times per second ISM, once per second UHF/VHF typical.
Transmission method	Bi-directional, mode and modulation type depend on model
Operating frequency	148-174MHz VHF band, 450-490 MHz UHF band, 902-928 MHz ISM band
Range with internal antenna	Typically up to 5 miles line of sight depending on radio option.
Range with external antenna	Up to 75 miles depending on radio option.
Output signal source	Any output may be driven by any input, user programmable
Digital Input channel signal type	Low voltage (5V) dry contacts or logic level
Digital Input signal voltage required	None
Digital Input signal transient protection	Yes, 600W TVS surge and RF filters
Digital Input signal status indication	Yes, on board LED's, one per channel.
Digital Input signal de-bounce time	Approximately 0.25 second
Analog Input signal type	4-20 mA, 0-5 Volt, 0-10 Volt, dry contact or pulse count.
Analog Input transducer on board power supply	On board 15 VDC with AC power or ~1 Volt below DC supply Voltage.
Analog Input transducer power source	May be external or use on board supply
Analog Input transient protection	Yes, 600W TVS surge and RF filters
Analog Input signal cable length	Max. 250 feet recommended
Analog Input signal accuracy	0.5% (10 bit analog to digital conversion)
Digital output (received) status channels	1 for system status
Digital output (received) relay contact ratings	SPDT 10 Amp at 115 VAC, 5 Amp at 30 VDC
Digital output (received) signal indication	Yes, 4 on board LED's, one per channel, show relay states
Digital output (received) system status indication	Yes, on board LED shows system status
Time to default outputs after system fail	User adjustable from 20 seconds to 7 days.
Modbus capability	Standard; every unit is a Modbus RTU slave
Modbus interface built in	Yes, both RS-232 and 2 wire RS-485 on board
Inputs that may be monitored by Modbus	Every analog input, digital input, temperature and DC voltage
Outputs that may be controlled by Modbus	Every analog output and digital output

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