AMI

Automated Motion Incorporated

MTDACII
Digital to Analog Converter
Setup and Operator's Manual

This *MTDACII* unit has been configured and calibrated by the manufacturer to the following settings.

Output Mode	4-20mA
Baud Rate	9600
Data Bits	8
Parity	None
Stop Bits	1
Tank Capacity	10000

The *MTDACII* is essentially ready for operation right out of the box. No adjustments, settings or calibrations are necessary.

Rear Panel

First-time Power-up instructions:
1. Configure the tank monitoring system's communication settings to match the *MTDACII* communication settings above.
2. Connect the RS232 cable to the RS-232 INPUT and connect the power plug from the power supply to the 24VDC INPUT on the rear panel.
3. Verify that the *MTDACII* is communicating to the tank monitoring system by checking to see that the RX and TX lights are flashing approximately every four seconds on the front panel.
4. Verify with a milliamp meter that each analog output is at the appropriate level that corresponds to that tank's product volume.

5. Power off the *MTDACII* and connect the wiring to the 1st set of terminals on the ANALOG OUTPUTS plug, observing the polarity markings on the rear panel. Press the orange buttons on the plug with a small screwdriver to insert the stripped wire end and release button to engage wire clamp. Repeat for all outputs channels available.
6. Power the *MTDACII* on.

Front Panel

Status LEDs
1. PWR – Stays continually on when unit is powered on.
2. CPU – Flashes every second to indicate that the microprocessor on the circuit board is running.
3. RX – Flashes every 4 seconds. To indicate receiving a signal from the RS232 communication port.
4. TX – Flashes every 4 seconds to indicate transmitting a signal to the RS232 communications port.
5. ERR – lights when there is a communication error or no communication signal received before the next transmitted signal.
6. ST1, ST2, not used.
7. ST3 will flash during power up to indicate the number of channels that the *MTDACII* unit is configured to output. (Once for *MTDACII-1CH*, twice for *MTDACII-2CH*, four for *MTDACII-4CH*, eight for *MTDACII-8CH*)