AI-500-080 Series FMU 2
Field Monitoring Unit

Overview

The FMU 2 AI-500-080 series of controllers provides a cost-effective, easy to integrate means of adding monitoring and control of communications and field I/O to any project. The 19-inch rack mounted device is capable of remotely switching NEMA 5-15 power outlets inside the ITS cabniets. It is designed for extreme temperature applications and has low power requirements, making it suitable for solar powered applications. The unit comes in a variety of configurations supporting all common communication methods.

Several configurations are available with combinations of Ethernet, Wi-Fi, and Cellular Modem. All units come with multiple digital inputs and outputs as well as analog inputs. An RS-232 interface port is standard on the units, with additional RS-232/485 optional.

The unit works in conjunction with the Glance Platform, providing optional connectivity to the cloud-based Glance solution. Simply plug in your IT equipment and connect the I/O to add monitoring and control to your equipment. Also available are interfaces to field components via serial and Ethernet connectivity, using both standard and custom protocols.

Features

- ✔ Low cost Internet connectivity solution
- ✔ 19 inch rack mount 1 U high
- ✔ Remotely switchable outlets
- ✔ Variety of connectivity options
- ✔ Compatible with Glance platform
- ✔ GPS enabled for self-locating and mobile position tracking

- ✔ Low power consumption
- ✔ Local data storage, supporting store and forward schemes when offline
- ✔ Real Time Clock supporting scheduling applications
- ✔ Integral battery back-up for power fail reporting

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Hardware Specification

applied
INFORMATION

	AI - 500-080
Connectivity	
Cell Modem *	Yes
Wi-Fi	Optional
Ethernet Port (10/100Base-T)	Yes
RS-232 Port	Yes
RS-485 Port or RS-232 Port	Optional
Industrial I/O	
Analog Inputs	8 (4 x 120V AC, 4 x 24V DC)
Digital Inputs	8 (4 x 120V AC, 4 x 24V DC)
Digital Outputs	4 (2 x NO/NC 2A Relay, 2 x Open Collector)
Power	
Outlets	NEMA 5-15 (4 x 120V, remotely switchable rated 15 amp total load)
Miscellaneous	
Operating Systems	µC/OS-II
GPS	Yes
Operating Temperature	-40°C to 80°C
Humidity	5-95% non-condensing
Dimensions	17.5" W x 1.75" H x 7.5" D
Mounting	19 inch rack mount 1U
Input Voltage	120V AC
Real Time Clock	Yes
Flash Disk	Yes
Battery Backup	Yes
Also suitable for…	
Solar/battery powered	Yes
Scheduling	Yes

* Specify carrier at time of order
** Custom configurations available
     for volume orders