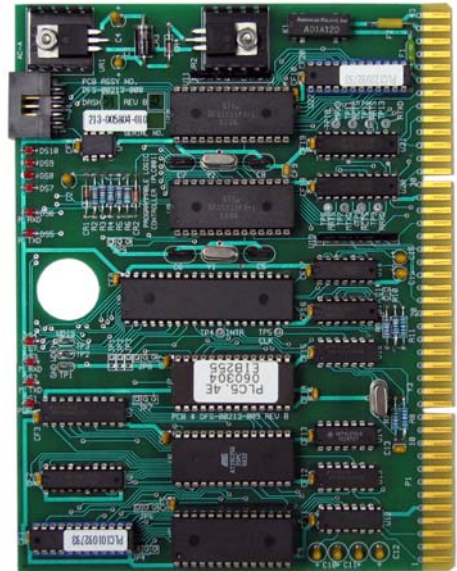

PROGRAMMABLE LOGIC CONTROLLER

DFS HAS BEEN INCORPORATING RTU PLC LOCAL CONTROL SINCE THE EARLY 90s. THE PLC001 HAS BEEN THE DFS WORKHORSE SINCE ITS RELEASE.

The PLC001 is a robust PLC that uses Industrial Basic-52 as the programming medium. The PLC001 comes very capable of performing the essential services required of it - telemetry operations, local automation, PLC Central and communications interpreter. The hardware features include a communications port for serial communications, and three service ports for monitoring the operations and communicating with the radio and modules.

The PLC is wired into an RTU between the Radio Interface Module (RIM) and up to 15 other modules. It automatically communicates with the modules, getting their status and updating their outputs according to the application program. It communicates with the TACII central computer via the RIM, relaying status and control information. It also simulates virtual analog and digital modules to allow PLC program interaction with the telemetry system.



FEATURES AT A GLANCE

- Industrial BASIC programmable
- Program stored in Non-Volatile memory
- On-board editor
- Surge protected (nondestructive)
- LEDs on power, transmit data, CPU failure, and test
- On-board communications and functional firmware
- On-board voltage regulation
- Automatically retrieves data from modules on RTU bus
- Module is removable without disturbing field wiring
- Keyed to prevent damage
- Time-tagged messages
- Battery-backed clock/calendar synchronized by telemetry
- Watchdog timer
- Gold edge connector fingers
- 1200 or 9600 baud communication
- UL Listed
- No on-board adjustments, switches or straps (self-configuring)

SPECIFICATIONS

Model	PLC001
Board Size	5.25" X 6.88"
Maximum Modules Supported	15
Maximum Loop Time	600 mSec per module
Supply Voltage	8-13 VDC
Supply Current	290 mA

TYPICAL APPLICATIONS

- Quadruplex pump control station
- Analog-to-trip point conversion
- Pressure controller
- Land spreading system controller
- Reuse irrigation system controller
- Tank level controller
- Time of day & day of week control
- Variable Speed Pump Control

WARRANTY

This product carries a one (1) year return-to-factory warranty against defects in material and workmanship. When installed with factory recommended surge protection, the return-to-factory warranty is extended to three (3) years and is also covered against damage due to lightning and surge. DFS will repair or replace at its option, F.O.B. Melbourne, Florida, any part or parts of this product during the warranty period. A Return Authorization (RA) must be obtained by contacting the DFS Factory Repair Center at 321-259-5009 or by email at rma@dataflowsys.com.