



DESCRIPTION

The Distributed Intelligent Unit (DIU) contains status and system control switches which duplicate many of the system control functions of the System Control Unit (SCU). The DIU is located remotely from the main 7200 Series enclosure and contains its own ground fault detection circuitry. The DIU enclosure also contains a power supply which furnishes operating power for the DIU and any other optional units which may be included.

The DIU accepts input from the SCU via the FCINET® and controls any optional units installed in the enclosure. This enclosure may be located up to 4,000 feet (via twisted pair) from the main control and is opto-isolated from the main control.

The DIU features degrade mode operation which enables it to control its own units in the event of communication failure between it and the main SCU.

Each DIU can control up to five (5) Analog Loop Units (ALU) and provides two (2) Notification Appliance Circuits rated 1.75 amperes each. LEDs located on the DIU are as follows:

LED	Designation	LED	Designation
Yellow	“DEGRADE”	Yellow	“GROUND FAULT”
Red	“ALARM”	Yellow	“SUPERVISORY”
Yellow	“SYSTEM TROUBLE”	Yellow	“SYSTEM SILENCE”
Yellow	“NOTIF. APPL. CIRCUIT 1”	Yellow	“NOTIF. APPL. CIRCUIT 2”

The DIU also includes three (3) front panel user buttons for system “RESET”, “SILENCE” and “ACKNOWLEDGE”. A pluggable terminal block is provided with the DIU for the connection of all field wiring. The terminal block will accommodate wire up to 12 AWG in size. The DIU is a full-size unit.

TECHNICAL AND ORDERING INFORMATION

Part No.	Model	Supervisory Current	Alarm Current	Description
1100-0340	DIU	.017 amp.	.072 amp.	Distributed Intelligent Unit

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