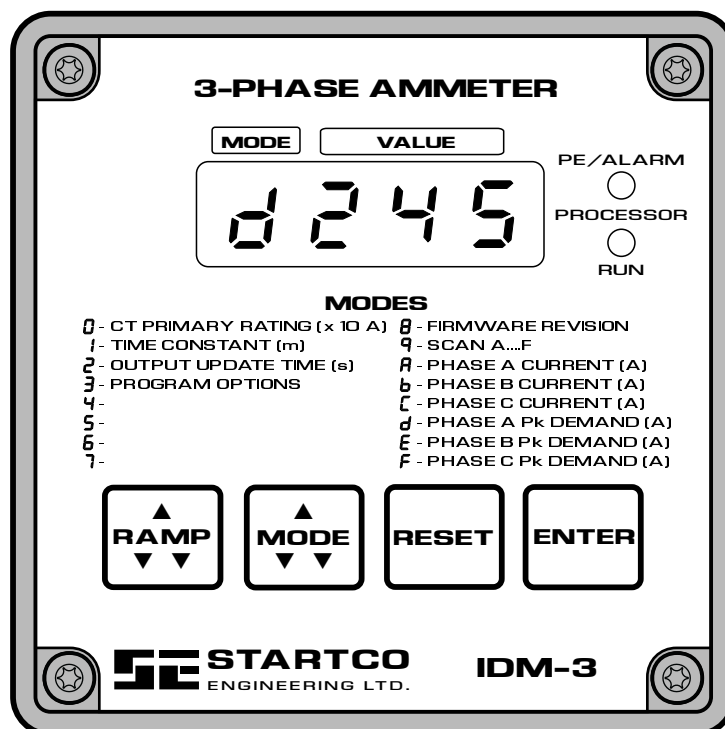


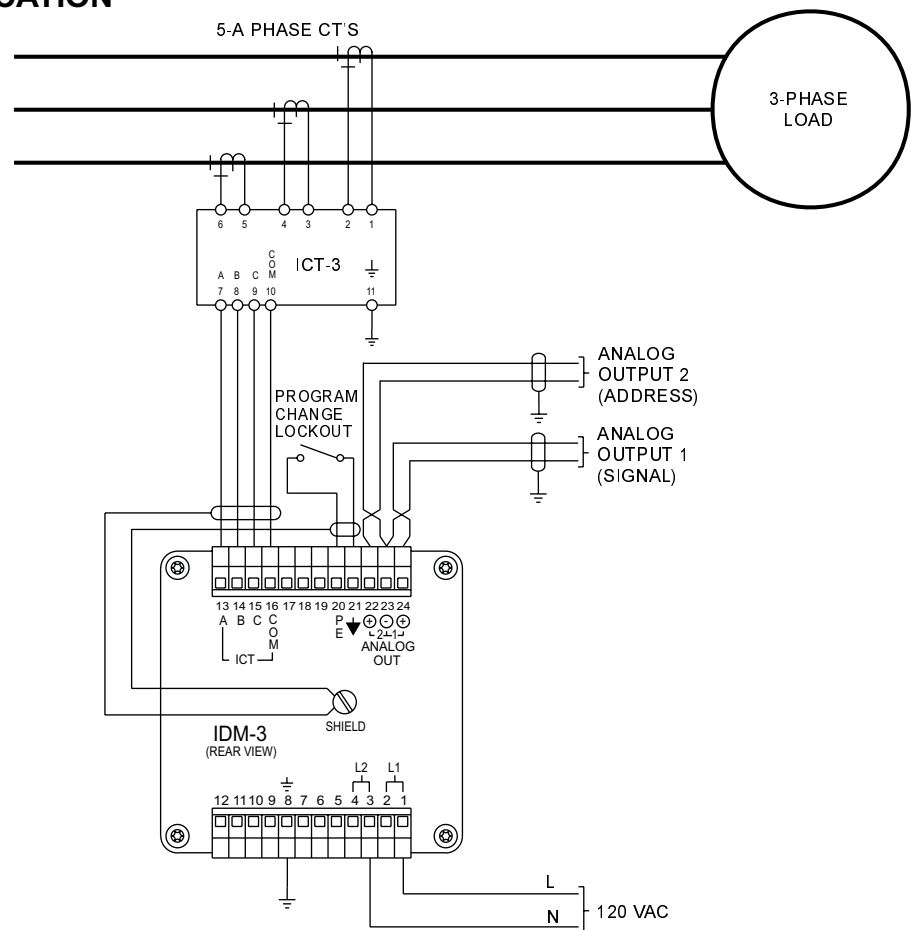


Manuals and additional
information available at
www.startco.ca

IDM-3 **3-PHASE AMMETER**

The IDM-3 is a microprocessor-based three-phase ammeter that provides instantaneous and peak lagged-demand ammeter readings. It uses inputs from 5-A-secondary current transformers connected to an interface CT to simplify installation and eliminate the need for CT shorting contacts. Operational features of the IDM-3 include keypad programming, sampling and digital-integration techniques developed for the MPU-16A Motor Protection Unit, and isolated analog outputs for a data-acquisition system. The CT-primary rating, lagged-demand response time, output update time, and SCADA interface are all keypad programmable.

TYPICAL APPLICATION



TECHNICAL SPECIFICATIONS

Supply:
120 or 240 Vac, 50/60 $\pm$ 1 Hz 10 VA
Maximum Continuous 135/265 Vac
Minimum Continuous 85/170 Vac
Power-up Voltage 100/200 Vac

Dimensions (Panel Mount):
Height 96 mm (3.8")
Width 96 mm (3.8")
Depth 158 mm (6.2")

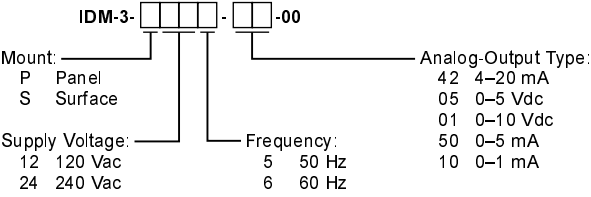
Interface-CT Inputs:
Thermal Withstand
Continuous 8 A
1-Second 80 A
Burden < 0.05 Ω

Accuracy (Interface CT Included):
Ammeter Accuracy $\pm$ 3% CT-Primary Rating

SCADA Interface:
Type Dual Analog Output
Configuration Output 1 — Signal Amplitude
Output 2 — Address Code
Output-1 Range 0 to 100% CT-Primary Rating
Output-1 Overrange 125% Full Scale
Output Drive:
4–20 mA 700 Ω
0–5 mA 3 k Ω
0–1 mA 15 k Ω
0–5 V 25 mA
0–1 V 25 mA
Resolution $\pm$ 1% Full Scale
Isolation to Ground 300 Vac Continuous
Dielectric Strength 1500 Vac

Environment:
Operating Temperature -40°C to 60°C
Storage Temperature -55°C to 80°C

ORDERING INFORMATION



Specifications are subject to change without notice. Startco Engineering Ltd. is not liable for contingent or consequential damages, or for expenses sustained as a result of incorrect application, incorrect adjustment, or a malfunction.

Copyright© 1999.
Printed in Canada.
Publication: IDM-3-D
Revised: 9904 Printed: 9904



STARTCO
ENGINEERING LTD.

406 Jessop Avenue, Saskatoon, Saskatchewan, Canada S7N 2S5
Phone: (306) 373-5505 Fax: (306) 374-2245 www.startco.ca