pmc ®

Series 8545-2000

The series 8545-2000 Communication Modules offers a flexible means of translating communication protocols. This provides multiple system integration solutions in a cost effective way. For safe and reliable communication, electrical isolation is provided for every communication port.

COMMUNICATION MODULE

Programable Multi-Function: Gateway / PLC
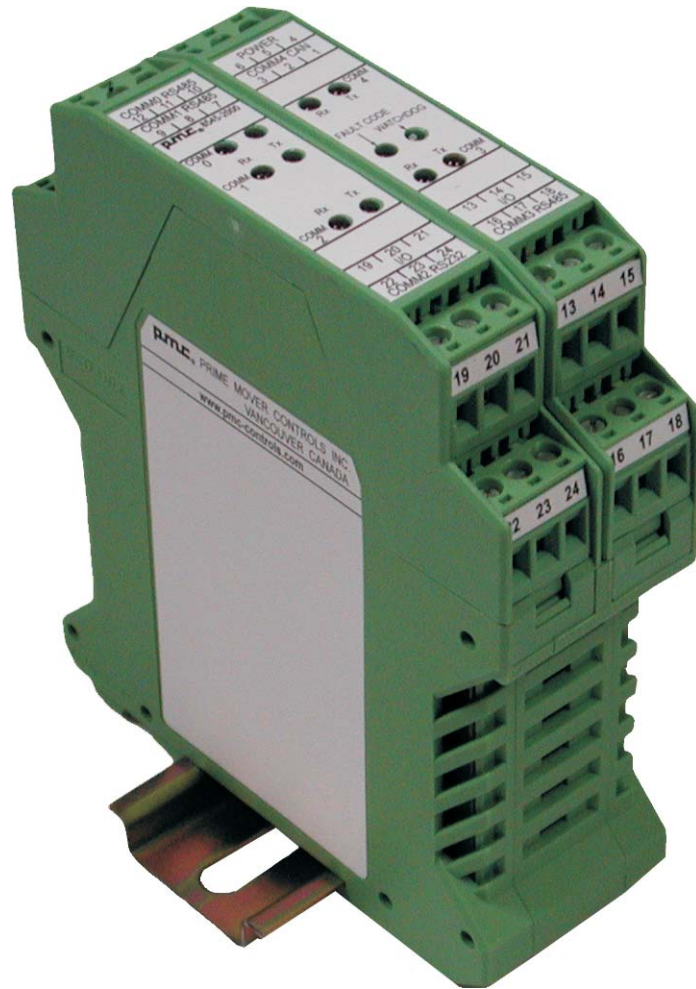
FEATURES
- 3 × RS485 ports
- 1 × RS232 port
- 1 × CAN port
- Discrete I/O for special functions
- Power supplies are electrically isolated from every comm port
- Tx/Rx lines are optically isolated for every comm port
- Transmission rates up to 115.2 kBd
- Tx/Rx LEDs for every comm port
- Watchdog LED
- Application specific diagnostic LED flashes error codes
- Removable terminal blocks
- TS 35×7,5 rail mount
- Designed and tested to meet or exceed marine regulations

APPLICATIONS
- Gateway to engine control module (ECM) data
- Connecting third party equipment to PMC IMACS
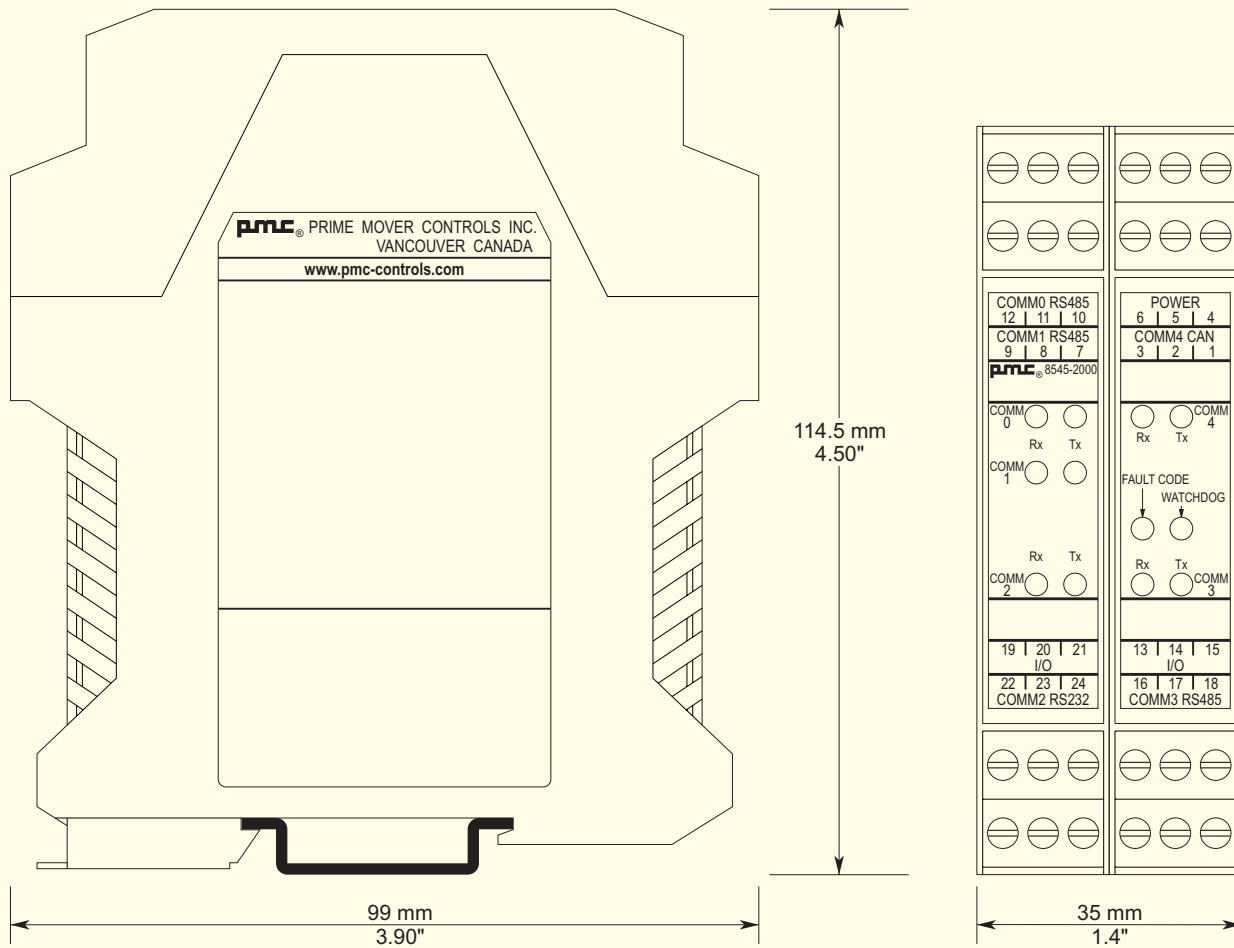- Data logger
- Custom PLC applications

PRIME MOVER CONTROLS INC.

DIMENSIONS FOR 8545-2000 COMMUNICATION MODULE

pmc ® PRIME MOVER CONTROLS INC.
VANCOUVER CANADA
www.pmc-controls.com

114.5 mm
4.50"

COMM0 RS485
12 | 11 | 10
COMM1 RS485
9 | 8 | 7
pmc ® 8545-2000

COMM 0
Rx   Tx

COMM 1

Rx   Tx

COMM 2

POWER
6 | 5 | 4
COMM4 CAN
3 | 2 | 1

Rx   Tx   COMM 4

FAULT CODE   WATCHDOG

Rx   Tx   COMM 3

19 | 20 | 21
I/O
22 | 23 | 24
COMM2 RS232

13 | 14 | 15
I/O
16 | 17 | 18
COMM3 RS485

99 mm
3.90"

35 mm
1.4"

SCALE 1:1

SPECIFICATIONS:
Supply:
- Nominal 24 V_{DC}, range 8 to 35 V_{DC}
- 120 mA nominal, 150 mA max
- Reverse voltage protection

Environmental:
- Operating temperature -25 to +70°C
- Storage temperature -40 to +85°C
- Vibration: Frequency range 2-100 Hz
  Peak to peak amplitude 2 mm below 13.2 Hz
  Acceleration amplitude 0.7 G above 13.2 Hz
- CE compliant for EMC (IEC/EN60945)

Physical:
- IP20 Enclosure
- Dimensions:
  99 mm L × 35 mm W × 114.5 mm H
  (3.90" L × 1.40" W × 4.50" H)
- Weight, typical 0.22 kg (0.48 lbs)
- Removable terminal blocks for 14 to 20 AWG
  wires

Connection:
- 3 × Isolated RS485
- 1 × Isolated RS232 (Tx Rx GND)
- 1 × Isolated CAN
- 3 × Digital I/O
- 2 × Digital O/P
- 1 × 4-20mA I/P

Diagnostics:
- Watchdog LED
- Diagnostic LED flashes error codes

PRODUCT REFERENCE\8545_USP\C_BULLTN\SB-8545-2000R00.CDR