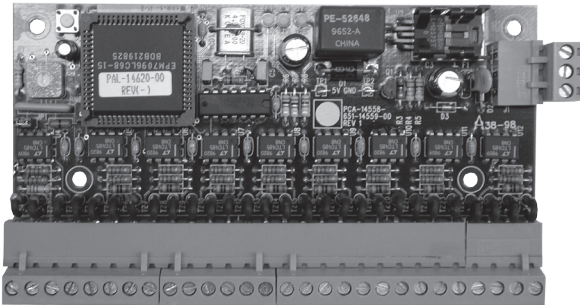


## PRO-2000 RS-485 Distribution Card (Hub)



### Features

- Eight (8) RS-485 slave ports receiving/sending data to/from the master port (maximum of 32 devices for each port)
- Selective communication speed with a 16 position rotary selector
- 8 bits asynchronous UART communications mode, 1 bit parity
- Automatic connection and disconnection of the faulted slave port
- Several RS-485 Distribution Cards can be connected in parallel to the same line
- All inputs and outputs are protected against any transients
- Supported communication speeds: 300, 600, 1200, 2400, 4800, 9600, 14000, 19200 and 28800 Baud

### Description

The RS-485 Distribution Card provides one to eight RS-485 channel splitters. Each channel is equipped with an RS-485 driver/ receiver chip set. This eliminates the problem of a communication bus failure found on multi-drop point configurations due to a single shorted device.

The RS-485 Distribution Card has nine separate ports; one (1) master port and eight (8) slave ports. The master port is connected to the PRO-2000 Series panel and directs data to the eight slave ports. The RS-485 Distribution Card monitors all ports, automatically disconnecting any shorted port and automatically reconnecting the port once the short is removed without disrupting the communication of the other ports.

The ability to operate several distribution cards in parallel provides flexibility in the system configuration. For maximum reliability each device will have a dedicated port with a maximum of eight devices per distribution card.

In a branch/star configuration, each of the eight ports can support a maximum of 32 devices. A shorted device will only disrupt the communication of the branch to which it is connected.

The rotary selector is used to select the matching communication speed of the master panel. The RS-485 Distribution Card should be mounted inside a protective box and requires a 28-Volt power source.



S7010



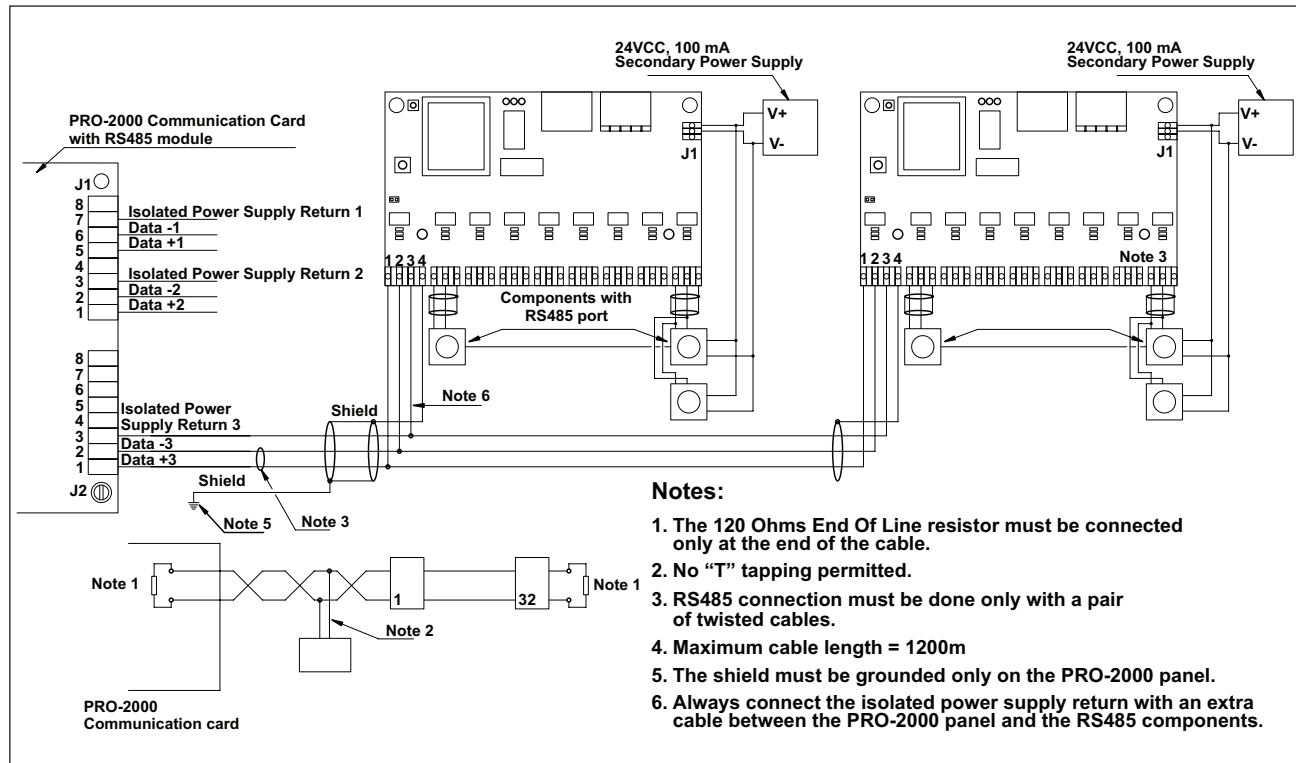
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**USCG**  
161.002/41/1  
**ABS**

05-MO602743-X

**CCG**  
Accepted

## Typical Wiring Diagram



## Ordering Information

Model Number	Description
PCA-14558-02	PRO-2000 RS-485 Distribution Card, 1-In/8-Out
PCA-14558-01	PRO-2000 RS-485 Distribution Card, 1-In/8-Out, Coated, Marine