



INSTALLATION GUIDE

RS485 TERMINATION BOARD

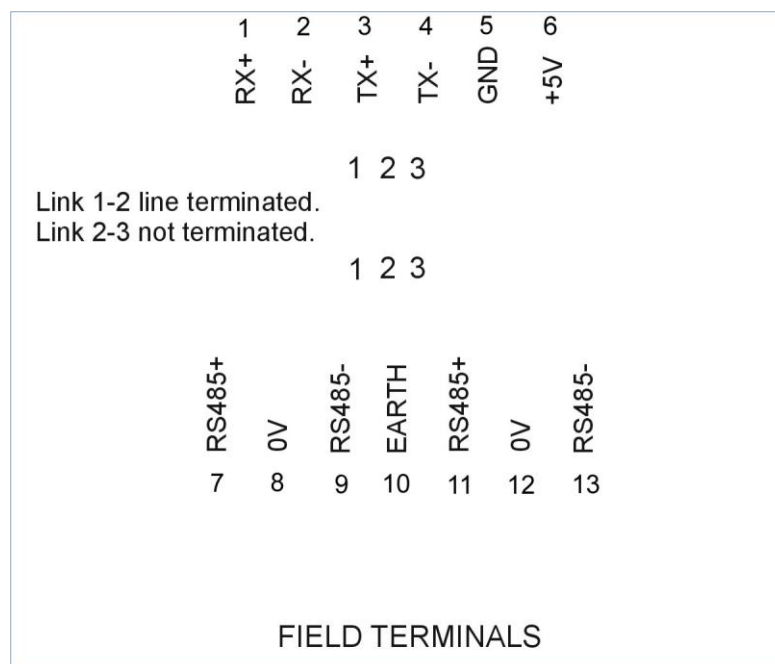
C6174B

Introduction

*This Installation Guide is intended to aid the fitment of the C6174A in the field. Please read this Installation Guide **first** before installing this unit.*

The C6174B RS485 Termination Board is a device used to correctly terminate lines on RS485 Network. Each board has links for switching termination resistors ON or OFF. Several boards can be used on the network but for best operation termination resistors should be linked ON on only one of the boards. See Table 1 for terminal arrangement.

Figure 1 : Terminal Layout



Hardware Installation Procedure

1. Terminals 1-6 are wired to the DB9 connector.
2. Terminals 7-13 are for the field wiring.
3. For best noise immunity and surge protection, 0V and earth connection should be used.
4. Maximum recommended wire size 2mm².

Table 1: C6174 Terminal Connections

Terminal No	Description	Connection
1	RX+	To pin 1 of DB9
2	RX-	To pin 2 of DB9
3	TX+	To pin 4 of DB9
4	TX-	To pin 9 of DB9
5	GND	To pin 5 of DB9
6	+5V	To pin 6 of DB9
7	RS485+	Field: RS485+ line
8	0V	Field: 0V line (if used)
9	RS485-	Field: RS485– line
10	Earth	earth connection for surge arrestors
11	RS485+	Field: RS485+ line
12	0V	Field: 0V line (if used)
13	RS485-	Field: RS485– line