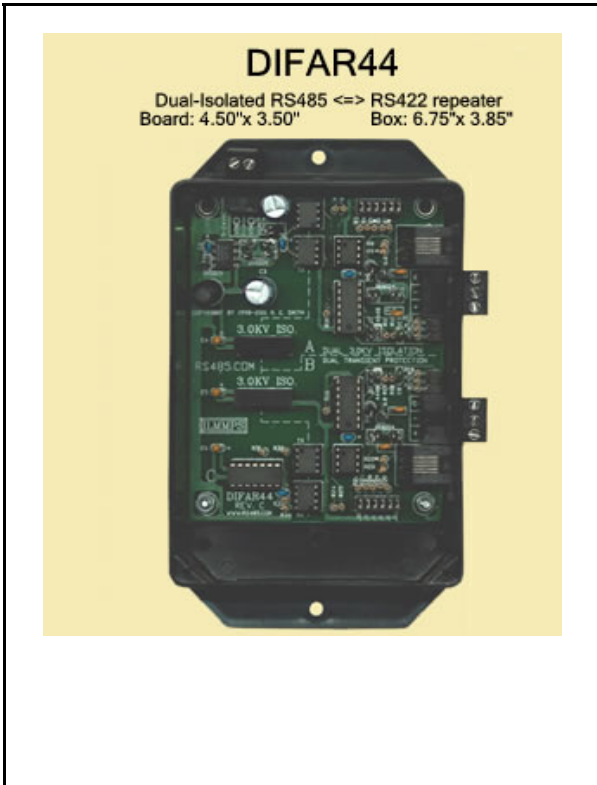


Product Description

The snap! model DIFAR44 is a fast Async RS485 <=> RS485 Dual Isolated automatic repeater with removable terminal strip and edge mounted LED indicators. Recommended in snap! applications with greater than 63 thermostats, communication distances are greater than 4,000 ft or the communication bus has multiple branches (not daisy chain configuration).

The DIFAR44 is a flexible repeater that can be used in a snap! 2-wire applications. The unit features Dual Isolation (transformer and optical), a wide power supply range (9 to 35VDC), edge mounted LED indicators, removable screw terminal strips, on-board transient protection, jumper selection for bias, termination, and operating modes.

The DIFAR44 is designed as a robust repeater for snap! applications.



Features

➤ RS485	➤ 3-wire removable screw terminal interface (RX/TX+, RX/TX-, Common).and RJ11/12 connector.
➤ Power	➤ Removable 2-wire screw terminal interface with full wave bridge input, for 9-35VDC (12-24VAC) operation, typical power is under 1.0 Watt.
➤ RS485 Bias	➤ 620 Ohm pull-up and pull-down (on TX only, jumper selectable).
➤ RS485 Termination	➤ 120 Ohm (jumper selectable).
➤ Special	➤ Jumper selection for flexible operating modes, LED indicators.
➤ RS485 Protection:	➤ P6KE6.8A Transient Voltage Suppressors inside 1N4004 diode bridge on data lines.

Technical Data

• Distance	➤ RS485 up to 4000 ft. (1250 meters) on each side of the interface
• Operation	➤ 2-wire half-duplex RS485 ó RS485 repeater with shielded ground

