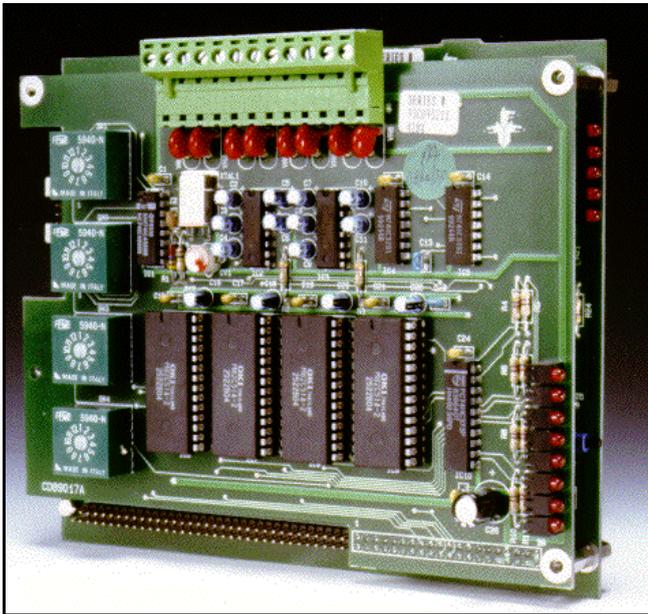


Line splitter for Cerban communications

CBS-3

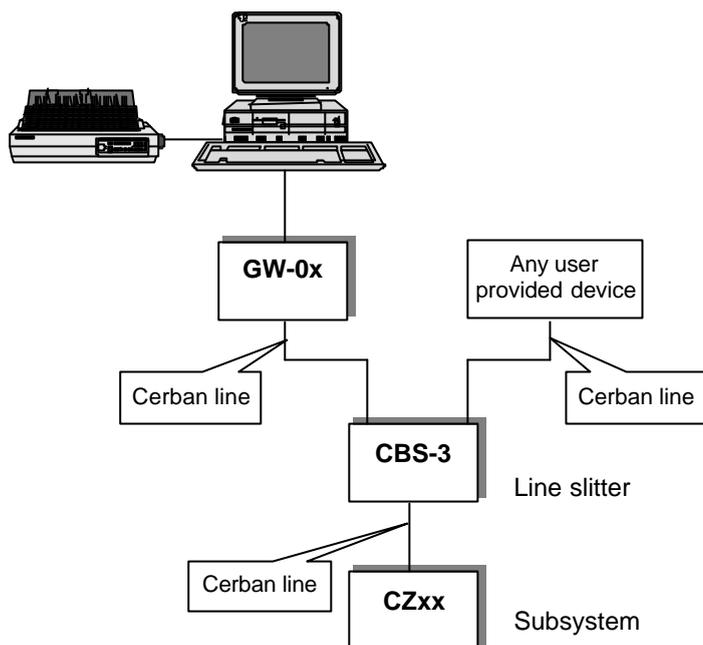


The Cerban Splitter CBS-3 is used to duplicate a Cerban communication line. A Cerberus control panel, such as a CZ10, a CZ12 or a CS4, transmits data using the Cerban protocol and for each control panel only one line is available. If you need to transmit the messages coming from the control panel to two different supervising systems, or if you want to be able to send commands to it from two different supervising systems, you need the CBS-3. The CBS-3 is an intelligent device that routes properly the messages, avoids conflict and monitors the line status. In a typical application, the CBS-3 is connected to a CZxx downward and to a Gateway GW-00 or GW-01 upward, to be connected to an LMS. The other line available on CBS-3 can be sent to any other device, for instance to an other supervising system, to a redundant LMS or to a supervising system on WAN (Wide Area Network).

Features

- CBS-3 is composed by two Europe-format boards connected in a piggy back configuration. The CPU board contains the microprocessor and the firmware to manage the device operations and the asynchronous board manages the communication lines
- Three communication lines are available: two to connect supervising systems, one to connect a control panel which communicates using Cerban protocol
- Five front LEDs on the CPU board show the CBS-3 status
- The front LEDs on the asynchronous communication board display the line status

In a typical configuration, the CBS-3 is connected to a CZxx control panel downward. Upward, the two connection lines can be used to send messages and receive commands to and from an LMS and any other supervising system.



Technical Data

Communications	Protocols supported and baud rate	
	Communication line 1	Cerban slave 300 bauds
	Communication line 2	Cerban master 300 bauds
	Communication line 3	Cerban master 300 bauds
	Cable (RS 232 signal)	shielded cable, with twisted pairs (minimum section 0.50 mm ²)
	Cable (power supply) Max. distance	the section must be computed according to the distance, in order to get a voltage on the device compliant with technical data between the CBS-3 and the connected devices 1000 m
Power supply requirements	Input voltage	10-30 V
	Max. current absorption	500 mA
Operating conditions	Temperature range	15 to 50 °C
	Humidity	10 to 90 % non condensing
Dimensions	including metal bracket	150 (W) x 172 (D) x 36 (H) mm
Weight	including metal bracket	520 g

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