

B3D021

AlgoRex
Synova™

Dual RS232 interface box

The B3D021 is an RS232 dual modem, replacing primarily the B3D020 single modem and the Z3W050 / Z3W051 with the B3D040 adapter. The B3D020 and the B3D040 were developed for the CS1140. The B3D021 has additionally been designed to function on all systems, which require the Z3W050 / Z3W051, with exception to DMS7000 and LMS CERLOOP application.

It can be used for data communication on the following control panels:

- Fire Detection Systems CZ10, CS1140, FC700A
- Intrusion Detection Systems CZ12
- Gas Detection Systems CC60

A special function of the B3D021 dual modem is the ability to allow a fast download on the CS1140 systems equipped with EP4 device software and higher.

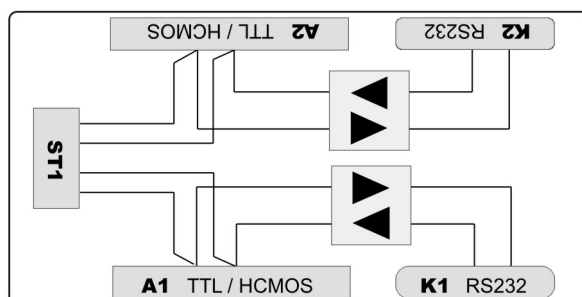
Overview connection requirements

The following chart gives an overview of the connection requirements for the different systems:

	System	Connections		Comments
		PC ↔ B3D021	B3D021 ↔ System	
various systems	CZ12	COMn ↔ K1 (K2)	A1 (A2) ↔ A2	requires 14-wire flat cable
	CZ10	COMn ↔ K1 (K2)	A1 (A2) ↔ A2	requires 14-wire flat cable
	CC60	COMn ↔ K1 (K2)	A1 (A2) ↔ P2	requires 14-wire flat cable
AlgoRex ≤ EP5	CC / CT / CI1141/1142	COMn ↔ K1	ST1 ↔ ST2	programming-, logger port
		COMn ↔ K2	ST1 ↔ ST2	printer and visualizer
	CK1141/1142	COMn ↔ K1 (K2)	A1 (A2) ↔ ST2	requires 14-wire flat cable
AlgoRex EP7F Synova™ 300/600	CC / CT / CA / CI11 FC700A/FT700A	COMn ↔ K1	ST1 ↔ ST2	embedded software & data download, logger port, Visualizer
		COMn ↔ K2	ST1 ↔ ST2	
	CK11 FG700A	COMn ↔ K1 (K2)	A1 (A2) ↔ ST2 F14E320 or F14A320	data download Y-flat cable 14-wire, 0.5 m or flat cable 14-wire, 0.5 m

Functional schematic of B3D021

The following drawing shows the connections between the ports. It also marks the type of output signal, which is available on each connection. Note, that 'K1' resp. 'K2' are RS232 connections, and that 'A1' resp. 'A2' are designed for both TTL and HCMOS connections:



Important

- The 20-wire micro flat cable must not be lengthened. The fast download on the CS1140 with EP4 and higher, will not work properly.
- A replacement of the micro flat cable is available under part nr. 5053300001
- The connection cable between PC port COMn and 'K1', 'K2' is a standard 2 m data cable with 9-pin Sub-D connectors on either end, alternatively male/female; with all respective pins connected straight through. This cable is not supplied with the B3D021.

Details for ordering

	Type	Part no	Designation	Weight
	B3D021	5098990001	Dual RS232 ITF Box with cable	0.183 kg
Spare part	–	5053300001	Flat cable L=0.2 m	