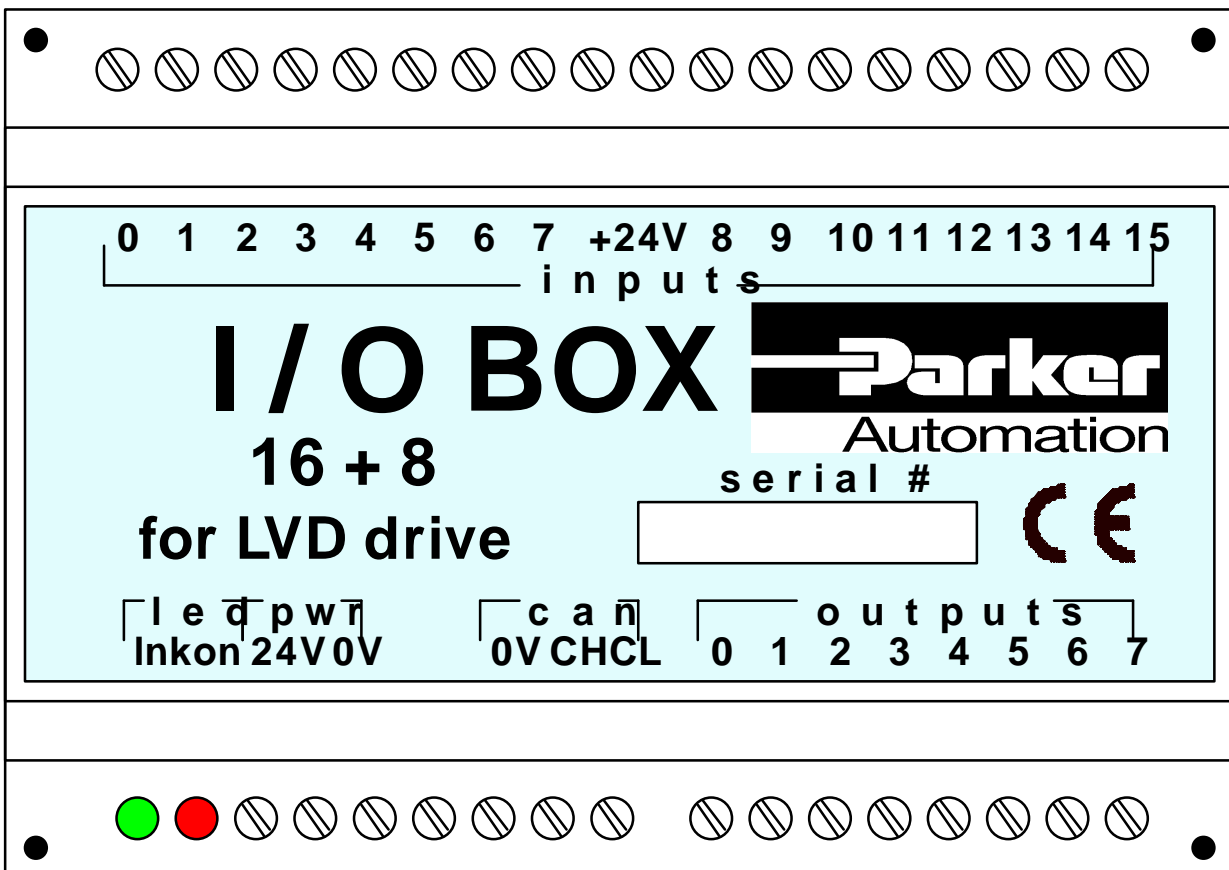


# I/O box

## user's manual

rev. 2.1  
December 03  
(software rel. 01)



## TABLE OF CONTENTS

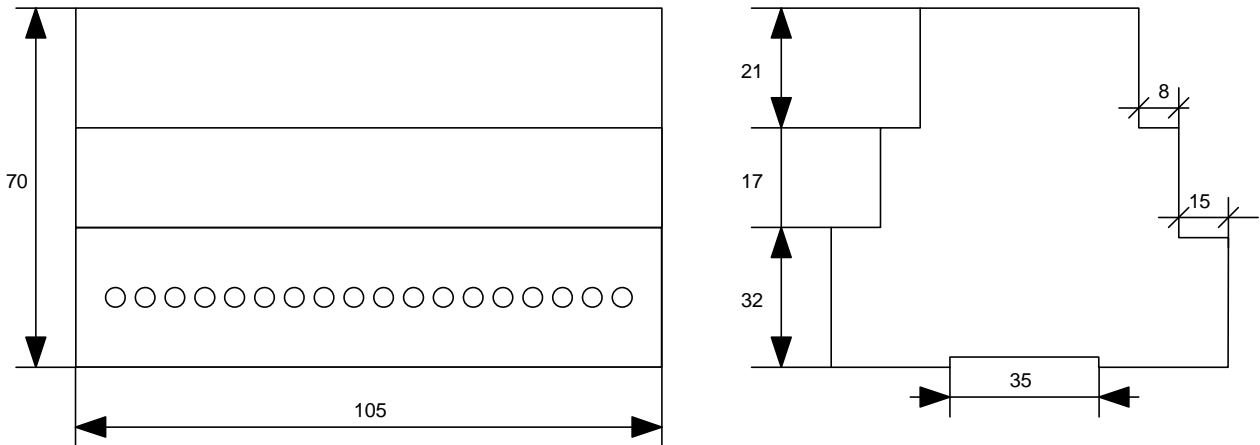
1.	Product description.....	3
1.1.	Dimensions.....	3
1.2.	Header points and wiring.....	4
2.	History of the revisions of the User Manual.....	5

# 1. Product description

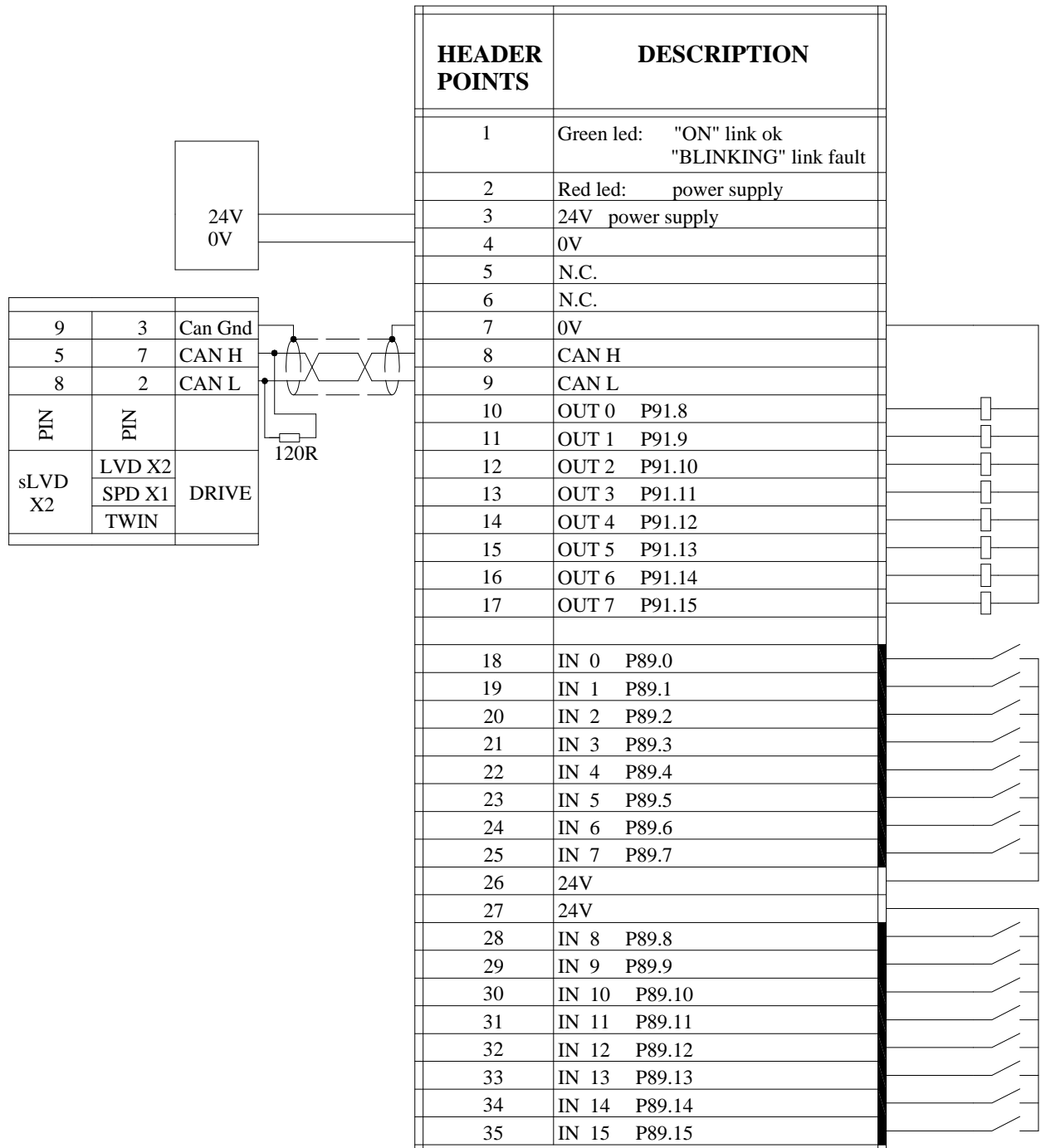
It is a I / O expansion module for the drive(type: LVD, sLVD, SPD and TWIN) with DIN rail mounting capability. The number of digital inputs is 16, they are 24V pnp compatible. The digital outputs are 8, 24V pnp able to drive up to 50 mA each, but the total current fed from the digital outputs has not to exceed 150 mA. The link between the IOBOX and the drive is made using the SBCCan protocol, in communication mode at 125Kbps. Every 5ms the IOBOX send the status of the digital inputs using the broadcast command in the Pr89 and read the status of the outputs from the drive addressed with 0 ( Pr27=0 ) in Pr91.8..Pr91.15 performing physically the output operation. On IOBOX are present two led for a easy diagnostic, the red one is the power supply status, the green one is the link status, if it is always on the link is OK, if it flash once the link is in busoff, if it flash twice the link is in bus warning.

## 1.1. Dimensions

### Dimensions



## 1.2. Header points and wiring



Note: be carefully regarding I/O BOX version! There are two types of I/O BOX: one is compatible only with LVD DRIVE, and another is for. sLVD, SPD and TWIN DRIVE.

## 2. History of the revisions of the User Manual

- Rev. 1.0      September 2000. Software release 00 I/O Box only for LVD drive
- Rev. 2.0      January 2000. Software release 01 I/O Box for drives type LVD, sLVD, SPD and TWIN
- Rev.2.1      December 2003:  
                    new diagram: "Header points and wiring".  
                    Note about I/O box version.