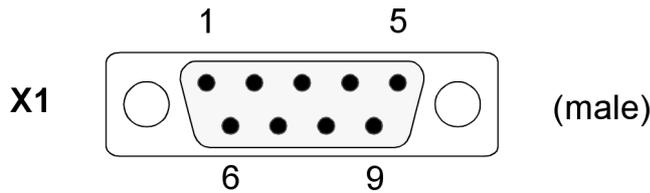


# RCAN-01 User's Manual Rev A – Errata

## Page 22

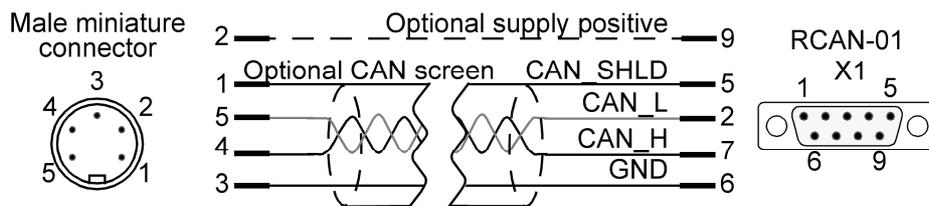
Replace the diagram of the connector X1 with the following (note the order of pin numbers):



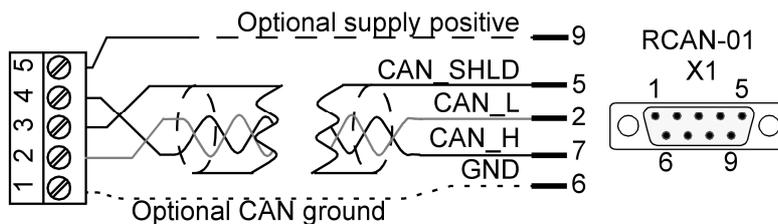
## Page 23

Replace the wiring diagrams with the following (note the order of pin numbers):

Standard 5 pin miniature connector



Standard open style connector



## Page 30

Replace the "05 RX-PDO21-Enable" section with:

### 05 RX-PDO21-COB-ID

Enables the PDO21 Rx COB-ID and/or sets the PDO21 Rx COB-ID.

0 = PDO21 Rx is disabled.

1 = PDO21 Rx is enabled using the default COB-ID (480h + Node ID).

As of RCAN Rev. C (software v. 1.09), if this parameter is set to a value other than those above, the PDO21 Rx is enabled and the value is used as its COB-ID.

## Page 32

Replace the “15 TX-PDO21-Enable” section with:

### **15 TX-PDO21-COB-ID**

Enables the PDO21 Tx COB-ID and/or sets the PDO21 Tx COB-ID.

0 = PDO21 Tx is disabled.

1 = PDO21 Tx is enabled using the default COB-ID (500h + Node ID).

As of RCAN Rev. C (software v. 1.09), if this parameter is set to other values than those above, the PDO21 Tx is enabled and the value is used as its COB-ID.

## Page 38

Replace the sentence:

“PDO1 and PDO6 can be used only in Profile mode DSP 402.”

With:

“As of RCAN Rev. C (software v. 1.09), all the PDOs can be used regardless of the operating mode (Transparent mode/DSP 402 Profile mode), and the length (0..4) and the mappings of the PDOs can be freely changed.”

## Pages 38-39

Replace the PDO1 Rx section with:

### PDO1 Rx

The default contents of PDO1 Rx are as follows:

#### Master to slave

Header	Byte							
	1	2	3	4	5	6	7	8
zzzzxxxxxxxxryyyy	Control Word (6040h)							

zzzz = COB ID Function code

xxxxxxx = Node ID

r = RTR (Remote Transmit Request) bit

yyyy = Data length

---

**Note:** If Transparent mode is selected by fieldbus parameter 26 (Transparent/Profi) and/or CANopen object 2004h, the object 2005h (Transparent Control Word) is mapped to PDO1 Rx by default instead. See the appropriate drive firmware manual on how to select the drive control mode. Some drives recognize used control mode automatically (e.g. ACS550).

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## Page 39

In the table "Control Word of DSP 402":

1	Enable voltage
2	Quick stop (active low)
4	Ramp function generator enable
5	Ramp function generator unlock
6	Ramp function generator use ref

## Page 40

Replace the contents of the page with:

### PDO1 Tx

The default contents of PDO1 Tx are as follows:

#### Slave to master

Header	Byte							
	1	2	3	4	5	6	7	8
zzzzxxxxxxxxryyyy	Status Word (6041h)							

zzzz = COB ID Function code

xxxxxxx = Node ID

r = RTR (Remote Transmit Request) bit

yyyy = Data length

---

**Note:** If Transparent mode is selected by fieldbus parameter 26 (Transparent/Profi) and/or CANopen object 2004h, the object 2007h (Transparent Status Word) is mapped to PDO1 Tx by default instead. See the appropriate drive firmware manual on how to select the drive control mode. Some drives recognize used control mode automatically (e.g. ACS550).

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## Page 41

In the table "Status Word of DSP 402":

4	Voltage disabled (active low)
5	Quick stop (active low)
14	Drive specific bit (drive status word bit 13) *
15	Drive specific bit (drive status word bit 14) *

Replace the contents of the page with:

**PDO6 Rx**

The default contents of PDO6 Rx are as follows:

**Master to slave**

Header	Byte							
	1	2	3	4	5	6	7	8
zzzzxxxxxxxxryyyy	Control Word (6040h)		Target velocity in RPM (6042h)					

zzzz = COB ID Function code  
 xxxxxxx = Node ID  
 r = RTR (Remote Transmit Request) bit  
 yyy = Data length

---

**Note:** In Transparent mode, the objects 2005h (Transparent Control Word) and 2006h (Transparent Reference Speed) are mapped to PDO6 Rx by default instead.

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**PDO6 Tx**

The default contents of PDO6 Tx are as follows:

**Slave to master**

Header	Byte							
	1	2	3	4	5	6	7	8
zzzzxxxxxxxxryyyy	DS 402 Status Word (6041h)		Control Effort in RPM (6044h)					

zzzz = COB ID Function code  
 xxxxxxx = Node ID  
 r = RTR (Remote Transmit Request) bit  
 yyy = Data length

---

**Note:** In Transparent mode, the objects 2007h (Transparent Status Word) and 2008h (Transparent Actual Speed) are mapped to PDO6 Tx by default instead.

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### Page 60

In the table, replace the index 1814 with 1815.

### Page 62

In the table “Manufacturer specific profile objects”:

2004		Transparent/Profile mode (0) DSP 402, (1) Transparent	U8	RW
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### Page 63

In the table “Data sets”:

4000	0	Number of entries		RO	Number of supported data sets depends on the application software of the drive.
	1	Control Word *	U16	RO	Data set 1 Word 1
	2	Reference 1 *	INT16	RO	Data set 1 Word 2
	3	Reference 2 **	INT16	RW	Data set 1 Word 3

Below the table, add:

- \* Objects 4000h,1 and 4000h,2 cannot be written to directly. When using Transparent mode, use objects 2005h and 2006h to write the Control Word and Reference 1.
- \*\* When using Transparent mode, use this object to write Reference 2.

### Page 83

In the table “Description of transmission type”:

1...240 ***	+		+		
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Below the table, add:

- \*\*\* For Transmit PDOs, the value in range 1...240 defines how many SYNC messages will need to be received before the PDO is sent; for example, if transmission type is set to 5, the PDO will be sent on every fifth SYNC message.